

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Abeliophyllum distichum **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 01040
Common Name: White Forsythia
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** B7

Observation Date of Plant: 8/10/2021
Plant Habit: Broad oval
Plant Height: 4-5 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. May look better with more sun.

Observation Date of Flowers: 3/19/2012

Flower Color: White

Flower Type: cluster

Flower Effect: Excellent

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Comments on Flowers: Nice fragrance.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Abies concolor **Variety:** -0-
Cultivar: Candicans **Family:** Pinaceae **Tsnum:** 91141
Common Name: Blue White Fir
Source: Oregon Garden Products **Quantity observed:** 3 **Location:** F10, E11

Observation Date of Plant: 10/5/2020
Plant Habit: Narrow, pyramidal
Plant Height: 25-35 ft.
Plant Width: 12-20 ft
Current Seasons Growth: 8-12 in.

Foliage Color: Blue/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Health is improving on two trees after nearby tree was removed which was crowding the others.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Abies koreana **Variety:**
Cultivar: Horstmann Silberlocke **Family:** Pinaceae **Tsnum:** 13036
Common Name: Silberlocke Korean Fir
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** F10

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal
Plant Height: 5-7 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Green with white lower surface that curves up for a striped bicolor effect.

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Deer damage

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Striking foliage. One of two was 50% grazed by deer the first winter.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
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Scientific Name: Abies lasiocarpa **Variety:**
Cultivar: Glauca Compacta **Family:** Pinaceae **Tsnum:** 17091
Common Name: Dwarf Blue Rocky Mountain Fir
Source: Monrovia Growers **Quantity observed:** 3 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Pyramidal
Plant Height: 3 ft.
Plant Width: 2 ft
Current Seasons Growth: 6-12 in

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
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Scientific Name: Acer buergeranum **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 80272
Common Name: Trident Maple
Source: OE White Research Arboretu **Quantity observed:** 1 **Location:** B12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 25-35 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Light to medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good
Fruit Present: Abundant fruit
Fruit Color: Green to tan
Insect Pests:

Pest Severity:
Plant Disease: Inactive canker
Disease Severity: Aesthetics affected

Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Bark is flaky and very attractive, canker is large but not active. It may cause structural failure in the future.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
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Scientific Name: Acer caddo **Variety:**
Cultivar: **Family:** Aceraceae **Tsnum:** 94174
Common Name: Caddo Maple
Source: Oklahoma **Quantity observed:** 2 **Location:** SC1-1,2

Observation Date of Plant: 10/1/2021
Plant Habit: Upright oval
Plant Height: 20-30 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: No sign of chlorosis. Nice overall appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red, orange, yellow

Date of observation: 10/19/2011

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
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Scientific Name: Acer campestre **Variety:**
Cultivar: JFS Schichtel2 **Family:** Sapindaceae **Tsnum:** 18001
Common Name: Streetside Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC02-14

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shade tree

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Canker may doom one tree as central leader is gone about five feet down from top. Second tree looks fair bit may also have canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
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Scientific Name: Acer campestre **Variety:**
Cultivar: JFS Schichtel2 **Family:** Aceraceae **Tsnum:** 17001
Common Name: Streetside™ Hedge Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** G4, G3, SC04-02

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval, narrow
Plant Height: 10-15 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, street tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. One of three looks weak and may have canker but the other two look good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
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Scientific Name: Acer campestre **Variety:** -0-
Cultivar: Queen Elizabeth **Family:** Aceraceae **Tsnum:** 88090
Common Name: Queen Elizabeth Hedge Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** AA12

Observation Date of Plant: 8/27/2020

Plant Habit: Round to broad oval

Plant Height: 35-45 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, medium size tree

Overall Plant Health: Good

Fruit Present: Moderate amount fruit

Fruit Color: Green turning to tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Spreading to unwanted places by seed.

Recommended: Yes

Comments on plant: Growth habit is very dense and uniform.

Observation Date of Flowers: 4/26/2006

Flower Color: Green

Flower Type: Cluster

Flower Effect: Fair to poor

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers: Not showy due to color and size.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
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Scientific Name: Acer campestre **Variety:**
Cultivar: Stgrezam **Family:** Aceraceae **Tsnum:** 04019
Common Name: Saint Gregory Hedge Maple
Source: Femrite Nursery Company **Quantity observed:** 2 **Location:** SC01-14, SC01-22

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good to fair
Fruit Present: Abundant
Fruit Color: Green turning to tan
Insect Pests:
Pest Severity:
Plant Disease: Canker on one of two trees
Disease Severity: Moderate injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in arboretum in 2006.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2017
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
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Scientific Name: Acer campestre **Variety:**
Cultivar: Streetwise **Family:** Aceraceae **Tsnum:** 10004
Common Name: Streetwise Hedge Maple
Source: Carlton Plants **Quantity observed:** 1 **Location:** A12

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small to medium tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2011. One of two looks a little leggy and has less vigor.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
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Scientific Name: Acer freemanii **Variety:** -0-
Cultivar: Armstrong **Family:** Aceraceae **Tsnum:** 93045
Common Name: Freeman Maple
Source: A. McGill & Son Nursery **Quantity observed:** 2 **Location:** SC1-10,11

Observation Date of Plant: 9/22/2021

Plant Habit: Columnar

Plant Height: 45-55 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, narrow/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Looks good for an Acer freemanii maple in this area - no chlorosis and good vigor. Nice uniform growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange, red

Date of observation: 9/20/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer ginnala **Variety:** semenovii
Cultivar: **Family:** Aceraceae **Tsnum:** 02013
Common Name: Turkestan maple
Source: Sjulín Nurseries **Quantity observed:** 2 **Location:** B12, B13

Observation Date of Plant: 8/31/2020
Plant Habit: Multistemmed, irregular
Plant Height: 15-20 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2003. Looks reasonable now but Acer ginnala often gets very chlorotic although looks okay in 2020. Growth habit is not very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer ginnala **Variety:**
Cultivar: JFS-UGA **Family:** Aceraceae **Tsnum:** 05013
Common Name: Red November Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC1-15

Observation Date of Plant: 9/22/2021
Plant Habit: Irregular
Plant Height: 10-14 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, small tree

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2008. 10/25/11 - Heavy snow broke out top 4 feet as tree still had all its foliage. Looks surprisingly good the past 10 years with no chlorosis.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/2/2021
Aesthetics: Excellent **Persistence:** 2-3 weeks
Fall Color: Bright glowing red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer ginnala **Variety:**
Cultivar: Ruby Slippers **Family:** Aceraceae **Tsnum:** 10013
Common Name: Ruby Slippers Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** B12, B13, HG

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, small tree

Overall Plant Health: Fair to good
Fruit Present: Moderate amount
Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. One of three trees has slight chlorosis. Third tree planted in 2017 and looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer grandidentatum **Variety:**
Cultivar: 91011-75 **Family:** Aceraceae **Tsnum:** 96281
Common Name: Big Tooth Maple
Source: Plant Select **Quantity observed:** 1 **Location:** G1

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval
Plant Height: 22-30 ft
Plant Width: 12-15 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably be wider if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer grandidentatum **Variety:**
Cultivar: 91014-52 **Family:** Aceraceae **Tsnum:** 96285
Common Name: Big Tooth Maple
Source: Plant Select **Quantity observed:** 1 **Location:** G1

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval
Plant Height: 25-35 ft
Plant Width: 20-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has sustained some damage from dogs clawing and chewing on trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer grandidentatum x saccharum
Cultivar: Hipazam **Family:** Aceraceae **Variety:** **Tsnum:** 11010
Common Name: Highland Park Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** AA12, CFA

Observation Date of Plant: 8/27/2020

Plant Habit: Upright oval

Plant Height: 10-15 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker on one of two trees

Disease Severity: Moderate injury on one plant

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. One of three has canker near base of trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow, orange, red

Date of observation: 11/4/2015

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
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Scientific Name: Acer griseum **Variety:**
Cultivar: **Family:** Acerceae **Tsnum:** 03001
Common Name: Paperbark Maple
Source: Carlton Plants **Quantity observed:** 1 **Location:** B12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate to severe injury
Cultural Problems:
Nuisances:

Recommended: Marginal
Comments on plant: Planted in arboretum in 2003. Peeling bark is very attractive and cinnamon brown. Canopy is thin and lost one branch (20% of canopy) due to canker. Canker has created large scar on trunk.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
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Scientific Name: Acer griseum **Variety:**
Cultivar: JFSKW8AGRI **Family:** Sapindaceae **Tsnum:** 18002
Common Name: Fireburst Paperbark Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C13

Observation Date of Plant: 8/31/2020
Plant Habit: Young, undefined
Plant Height: 6-8 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2018 - too soon to recommend. Root balls seemed a little loose on arrival and probably why vigor is very low.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
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Scientific Name: Acer miyabei **Variety:**
Cultivar: JFS-KW3AMI **Family:** Aceraceae **Tsnum:** 11011
Common Name: Rugged Ridge Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** A12, B13

Observation Date of Plant: 8/27/2020
Plant Habit: Upright oval
Plant Height: 10-14 ft
Plant Width: 8-12 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2014. One of two trees would probably be taller but central leader seems to be growing to one side possibly due to crowding from nearby plants

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 11/4/2015

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
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Scientific Name: Acer monospessulatum **Variety:**
Cultivar: **Family:** Aceraceae **Tsnum:** 05103
Common Name: Montpellier Maple
Source: Proven Winners **Quantity observed:** 1 **Location:** C14

Observation Date of Plant: 8/31/2020
Plant Habit: Somewhat irregular
Plant Height: 4-6 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2012. Lost central leader from unknown cause and needs a new one trained.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer negundo **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 81299
Common Name: Boxelder
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** A12

Observation Date of Plant: 8/26/2020
Plant Habit: Irregular
Plant Height: 40-50 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Difficult sites, shade tree

Overall Plant Health: Fair
Fruit Present: Moderate amount
Fruit Color: Tan, unattractive
Insect Pests:

Pest Severity:
Plant Disease: Canker on branches
Disease Severity: Moderate injury

Cultural Problems:
Nuisances: Susceptible to storm damage
Recommended: No
Comments on plant: Seeds can be invasive. Abundant suckering. Poor growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer negundo **Variety:**
Cultivar: Kelly's Gold **Family:** Aceraceae **Tsnum:** 02045
Common Name: Kelly's Gold Box Elder
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC2-3

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light green with light yellow on new growth
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites, under power lines where height is restricted

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Moved Spring of 2003 due to unavoidable construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/20/2004
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer negundo **Variety:** -0-
Cultivar: Sensation **Family:** Aceraceae **Tsnum:** 91098
Common Name: Sensation Box Elder
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC1-6

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, difficult sites

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Severe suckering
Recommended: Yes
Comments on plant: Transplanted in 2003 due to unavoidable construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2017
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow with hints of red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer negundo **Variety:**
Cultivar: Variegatum **Family:** Aceraceae **Tsnum:** 95034
Common Name: Variegated Boxelder
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC1-7,8

Observation Date of Plant: 9/22/2021
Plant Habit: Upright to round, becoming irregular
Plant Height: 18-25 ft.
Plant Width: 18-25 ft
Current Seasons Growth: 8-15 in.

Foliage Color: Variegated, light green and white
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair
Fruit Present: Abundant
Fruit Color: Green turning tan
Insect Pests:

Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate injury

Cultural Problems:
Nuisances:

Recommended: No

Comments on plant: Has severe suckering. About 80-90% of canopy reverting back to solid green.
Very abundant seeds could be a problem.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/20/2004
Aesthetics: Poor to fair **Persistence:** 1-2 weeks
Fall Color: Pale yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer nigrum **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 81228
Common Name: Black Maple
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** C13

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 40-45 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: May grow wider but this tree is crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer nigrum **Variety:** -0-
Cultivar: Greencolumn **Family:** Aceraceae **Tsnum:** 89128
Common Name: Greencolumn Black Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C13

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Lost a large limb due to snow damage October 2011 which may cause problems over the long term. About 20% of canopy has died from unknown cause.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/14/2018
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: red/orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer palmatum **Variety:**
Cultivar: **Family:** Sapindaceae **Tsnum:** 15082
Common Name: Japanese Maple
Source: Monrovia Growers **Quantity observed:** 1 **Location:** C13

Observation Date of Plant: 8/31/2020
Plant Habit: Vase
Plant Height: 4-5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2016. Surviving plant has a lot of tip dieback from severe first frost in September 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 84239
Common Name: Norway Maple
Source: USDA, Glen Dale, MD **Quantity observed:** 1 **Location:** C12

Observation Date of Plant: 8/31/2020

Plant Habit: Round

Plant Height: 30-40 ft.

Plant Width: 35-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Green to tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 78137
Common Name: Norway Maple
Source: Kankakee Nursery Company **Quantity observed:** 2 **Location:** B13

Observation Date of Plant: 8/31/2020
Plant Habit: Round to upright oval
Plant Height: 40-50 ft.
Plant Width: 45-55 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/26/2006
Flower Color: Yellow/green
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 70-90%
Bloom Stage: Flowers open
Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Cavalier **Family:** Aceraceae **Tsnum:** 88087
Common Name: Cavalier Norway Maple
Source: Handy Nursery Co. **Quantity observed:** 1 **Location:** B13

Observation Date of Plant: 8/31/2020
Plant Habit: Round to upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Partly disfigured by storm damage.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Cleveland **Family:** Aceraceae **Tsnum:** 86205
Common Name: Cleveland Norway Maple
Source: Mount Arbor Nursery **Quantity observed:** 1 **Location:** AA14

Observation Date of Plant: 8/28/2020

Plant Habit: Round

Plant Height: 35-45 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.

Nuisances:

Recommended: Yes

Comments on plant: Uniform growth habit, wide branch angles, very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Columnaris **Family:** Aceraceae **Tsnum:** 78138
Common Name: Columnar Norway Maple
Source: Unknown **Quantity observed:** 1 **Location:** C13

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Not very columnar.

Observation Date of Flowers: 4/26/2006
Flower Color: Yellow/green
Flower Type: cluster
Flower Effect: Fair
% of Flower Coverage: 50-70%
Bloom Stage: Flowers open
Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:**
Cultivar: Conzam **Family:** Aceraceae **Tsnum:** 05014
Common Name: Conquest Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC01-16

Observation Date of Plant: 9/22/2021

Plant Habit: Round

Plant Height: 12-18 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Canopy is more open due to heavy snow in May 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:**
Cultivar: Conzam **Family:** Aceraceae **Tsnum:** 06001
Common Name: Conquest Norway Maple
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** C14

Observation Date of Plant: 8/31/2020

Plant Habit: Round

Plant Height: 10-15 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Lost central leader earlier from unknown cause and lateral branches became dominant so growth habit is more bushy than before. Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Deborah **Family:** Aceraceae **Tsnum:** 84181
Common Name: Deborah Norway Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C13, C14

Observation Date of Plant: 9/14/2020

Plant Habit: Round to upright oval

Plant Height: 40-50 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green/red

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice shape but one tree has included bark in trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Fairview **Family:** Aceraceae **Tsnum:** 93090
Common Name: Fairview Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 50-55 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Green to tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: About 15% of canopy died from probably a canker.

Observation Date of Flowers: 4/26/2006
Flower Color: Yellow/green
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Comments on Flowers: Flowers look a little more showy than most because of color contrast with emerging dark red foliage.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:**
Cultivar: Globosum **Family:** Aceraceae **Tsnum:** 02004
Common Name: Globe Norway Maple
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** SC03-3

Observation Date of Plant: 9/22/2021

Plant Habit: Round or broad oval

Plant Height: 6-7 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in arboretum in 2003. Two large cankers on opposite sides of trunk killed top 80% of canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow/orange

Date of observation: 9/20/2004

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:**
Cultivar: Jade Glen **Family:** Aceraceae **Tsnum:** 00041
Common Name: Jade Glen Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** SC2-6

Observation Date of Plant: 9/22/2021

Plant Habit: Round to broad oval

Plant Height: 20-25 ft

Plant Width: 20-30 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: Very few

Fruit Color: Green turning to tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Lamis **Family:** Aceraceae **Tsnum:** 89113
Common Name: Crystal Norway Maple
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** SC2-5

Observation Date of Plant: 9/22/2021
Plant Habit: Broad oval
Plant Height: 20-30 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Green turning to tan
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Regained vigor by 2007. Has a very attractive, uniform growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:**
Cultivar: National 2000 **Family:** Aceraceae **Tsnum:** 05003
Common Name: Champtree Norway Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC3-6

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval

Plant Height: 25-35 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, shade tree, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2006. Has a nice growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** columnaris
Cultivar: Olmstead **Family:** Aceraceae **Tsnum:** 86184
Common Name: Olmstead Columnar Norway Maple
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** C13

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Residential street, shade tree

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This tree may have a wider growth habit if it had more space. It has had previous storm damage that has made the overall appearance fairly coarse. Canker appears to have started around old storm damage and caused about 20% of

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Pond **Family:** Aceraceae **Tsnum:** 85163
Common Name: Emerald Lustre Norway Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** B14

Observation Date of Plant: 9/1/2020

Plant Habit: Broad oval

Plant Height: 30-40 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice canopy shape but developing some included bark.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/28/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Pond **Family:** Aceraceae **Tsnum:** 85084
Common Name: Emerald Lustre Norway Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** A13

Observation Date of Plant: 8/26/2020
Plant Habit: Broad oval
Plant Height: 20-30 ft.
Plant Width: 45-55 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Princeton Gold **Family:** Aceraceae **Tsnum:** 93089
Common Name: Princeton Gold Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC1-9

Observation Date of Plant: 9/22/2021
Plant Habit: Round becoming broad oval
Plant Height: 25-30 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Yellow on tips then light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium to coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Yellow leaves on branch tips have slight scorch but may look better with more irrigation. Storm damage has left some holes in the canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: bright yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Royal Red **Family:** Aceraceae **Tsnum:** 85086
Common Name: Royal Red Norway Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** B14

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval to round
Plant Height: 35-45 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Dark red/green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/20/2004
Aesthetics: Excellent **Persistence:** 2-4 weeks
Fall Color: dark red and purple

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:** -0-
Cultivar: Summershade **Family:** Aceraceae **Tsnum:** 87080
Common Name: Summershade Norway Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** B14

Observation Date of Plant: 8/31/2020

Plant Habit: Irregular to round

Plant Height: 30-35 ft.

Plant Width: 30-35 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Growth habit deformed by storm damage. Canker in trunk killed 25% of original central leader a few years ago and probably causing large split in bark down the rest of the tree. Appears to be in a irreversible decline.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow/green

Flower Type: cluster

Flower Effect: Fair

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Comments on Flowers: Not a bright enough yellow to be showy - blends in with emerging foliage.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer platanoides **Variety:**
Cultivar: Variegatum **Family:** Aceraceae **Tsnum:** 03037
Common Name: Silver Variegated Norway Maple
Source: A. McGill & Son Nursery **Quantity observed:** 2 **Location:** SC1-4, C12

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval becoming round
Plant Height: 20-30 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No

Comments on plant: Planted in 2004. Both trees have 100% of tree reverting to a solid green leaf. 5% of canopy has leaf scorch.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer pseudoplatanus **Variety:**
Cultivar: **Family:** Aceraceae **Tsnum:** 15049
Common Name: Sycamore Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** G3, SC02-01

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2016 and another in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/29/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer pseudosieboldianum **Variety:**
Cultivar: **Family:** Aceraceae **Tsnum:** 07030
Common Name: Korean Maple
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** SC2-01, B12, C13

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval or irregular
Plant Height: 8-11 ft.
Plant Width: 4-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor to good
Landscape Uses: Specimen

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Green to tan
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2008. One tree is flopping. Second tree has three different cankers along trunk and is mostly dead. Third tree looks okay but not as vigorous due to shade from nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Dark red

Date of observation: 10/21/2011
Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer rubrum **Variety:**
Cultivar: Armstrong **Family:** Aceraceae **Tsnum:** 16020
Common Name: Armstrong Red Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** HG, G3

Observation Date of Plant: 9/17/2021

Plant Habit: Upright oval

Plant Height: 12-18 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 4-8 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Shade tree, specimen

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate to severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2017. One third of one tree died and canker looks to be spreading.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer rubrum **Variety:**
Cultivar: Armstrong Gold **Family:** Aceraceae **Tsnum:** 13038
Common Name: Armstrong Gold Red Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C13, G3

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval
Plant Height: 10-14 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Tree planted in full sun has better vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer rubrum **Variety:**
Cultivar: Brandywine **Family:** Aceraceae **Tsnum:** 02001
Common Name: Brandywine Red Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** SC02-13

Observation Date of Plant: 9/22/2021

Plant Habit: Round

Plant Height: 10-14 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2004. Has moderate chlorosis - doesn't seem to tolerate a soil pH near 8.0. Suffered severe snow damage 10/25/11 with a split down the middle of the trunk caused by branch tearing away.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: rose, red, yellow

Date of observation: 10/9/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer rubrum **Variety:**
Cultivar: Frank Jr. **Family:** Aceraceae **Tsnum:** 15050
Common Name: Redpointe Red Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC05-03, G3, G

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2016 and another in 2019 and 2020. Canopy is thin on one tree along with a lot of suckers from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/12/2017

Aesthetics: Good, moderate brightne **Persistence:** 1-2 weeks

Fall Color: Red/orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer rubrum **Variety:** -0-
Cultivar: Schlesinger **Family:** Aceraceae **Tsnum:** 86108
Common Name: Schlesinger Red Maple
Source: Carlton Plants **Quantity observed:** 1 **Location:** C13, C12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/20/2004
Aesthetics: Good **Persistence:** 2-4 weeks
Fall Color: yellow, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharinum **Variety:**
Cultivar: Blair **Family:** Aceraceae **Tsnum:** 02005
Common Name: Blair Silver Maple
Source: Femrite Nursery Company **Quantity observed:** 2 **Location:** SC2-2, SC3-2

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Minor suckering

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Both look very nice.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharinum **Variety:** -0-
Cultivar: Silver Queen **Family:** Aceraceae **Tsnum:** 89133
Common Name: Silver Queen Silver Maple
Source: Sherman Nursery **Quantity observed:** 1 **Location:** B12

Observation Date of Plant: 8/21/2020
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Light to medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Somewhat susceptible to storm damage. Seems to be more tolerant of high soil pH than species.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharinum **Variety:** -0-
Cultivar: Skinneri **Family:** Aceraceae **Tsnum:** 91101
Common Name: Skinner's Cutleaf Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC1-17

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury on branch (10% of canopy)
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Moved in 2003 due to unavoidable construction. Canker killed one branch which was about 5-10% of canopy but doesn't appear active.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/16/2003
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharinum **Variety:** -0-
Cultivar: Skinner's Cutleaf **Family:** Aceraceae **Tsnum:** 84197
Common Name: Skinner's Cutleaf Silver Maple
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** C12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 60-70 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Susceptible to storm damage but seems to be more tolerant of high soil pH than
Recommended: Yes
Comments on plant: May have a wider growth habit if it had more space.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/20/2004
Aesthetics: Good **Persistence:** 2-4 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 92094
Common Name: Sugar Maple
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** SC2-15

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval

Plant Height: 20-30 ft.

Plant Width: 18-25 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a nice uniform growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2019

Aesthetics: Excellent

Persistence: 1-2 weeks

Fall Color: orange, yellow, slightly red on some edge

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 80159
Common Name: Sugar Maple
Source: American Nursery Product/Mi **Quantity observed:** 1 **Location:** A12

Observation Date of Plant: 8/27/2020

Plant Habit: Upright oval

Plant Height: 50-60 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury on small branch

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Arrowhead **Family:** Aceraceae **Tsnum:** 86186
Common Name: Arrowhead Sugar Maple
Source: Schichtel's Nursery **Quantity observed:** 2 **Location:** B12, A12

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Uniform growth habit and excellent fall color. It always has dependable performance through the years

Observation Date of Flowers: 4/26/2006
Flower Color: Yellow/green
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Comments on Flowers: Pendulous flowers are an interesting shape but not a very showy color.

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2008
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: yellow, magenta red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Autumn Faith **Family:** Aceraceae **Tsnum:** 08014
Common Name: Autumn Faith Sugar Maple
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** B12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker not active
Disease Severity: Moderate injury in past
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Top 3 feet died from canker but lower branches are replacing it and it looks pretty good from a distance. Planted in 2011.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Bailsta **Family:** Aceraceae **Tsnum:** 17002
Common Name: Fall Fiesta® Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** G3, G4

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval
Plant Height: 10-14 ft
Plant Width: 6-8 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/29/2021
Aesthetics: Very good **Persistence:** 1-2 weeks
Fall Color: Red/orange/yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Barrett Cole **Family:** Aceraceae **Tsnum:** 15051
Common Name: Apollo Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C14, SC02-11

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Killed top two feet of one tree
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/2/2021
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Orange, red, yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Bonfire **Family:** Aceraceae **Tsnum:** 82114
Common Name: Bonfire Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A12

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 45-55 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Nice growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/10/2012
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Bright red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Campfire **Family:** Aceraceae **Tsnum:** 96038
Common Name: Campfire Maple
Source: James Holmund Nursery **Quantity observed:** 2 **Location:** SC1-19,20

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval and somewhat irregular
Plant Height: 20-30 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange, shades of red

Date of observation: 10/12/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Chippewa Fire **Family:** Aceraceae **Tsnum:** 96037
Common Name: Chippewa Fire Maple
Source: James Holmund Nursery **Quantity observed:** 1 **Location:** SC1-21

Observation Date of Plant: 9/22/2021

Plant Habit: Round or vase

Plant Height: 15-20 ft.

Plant Width: 18-24 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks very healthy. Would probably look better if central leader not taken over by dominant side branches.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Bright rose/red

Date of observation: 10/12/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Fairview **Family:** Aceraceae **Tsnum:** 95041
Common Name: Fairview Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC2-16

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval, narrow
Plant Height: 20-27 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 6- 12 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive, dense growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Bright rose/orange

Date of observation: 10/15/2015

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Green Column **Family:** Aceraceae **Tsnum:** 84183
Common Name: Green Mountain Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A13

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 40-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice shape to growth habit. Nice central leader.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Heartland **Family:** Aceraceae **Tsnum:** 06003
Common Name: Autumn Faith Sugar Maple
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** SC02-4

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Severe in past but doesn't appear active now.
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2008. Canker on trunk killed the top one third of plant but doesn't seem active and looks good now.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/2/2021
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow, rosy red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Hiawatha 1 **Family:** Aceraceae **Tsnum:** 10016
Common Name: Oregon Trail Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** A12, G3

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval
Plant Height: 14-18 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011 and one in 2019. One tree has about 30% dieback from canker which includes central leader so it is shorter.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/4/2015

Aesthetics: Good **Persistence:** 1-2 weeks

Fall Color: Mostly yellow with some red shades

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Jefcan **Family:** Acereae **Tsnum:** 09069
Common Name: Unity Maple
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** C12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2012.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/30/2014
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Red, yellow, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: JFS-Caddo2 **Family:** Aceraceae **Tsnum:** 10014
Common Name: Flashfire Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC01-05

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval

Plant Height: 15-20 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury but not active

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Large canker on one branch causing one side to look a little thin but is making a recovery.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red

Date of observation: 11/4/2015

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: JFS-KW8 **Family:** Aceraceae **Tsnum:** 09011
Common Name: Autumn Fest Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval becoming round to irregular
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2012.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: John Pair **Family:** Aceraceae **Tsnum:** 07046
Common Name: John Pair Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC02-12

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval

Plant Height: 15-20 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Rosy red, bright

Date of observation: 11/2/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Majesty **Family:** Aceraceae **Tsnum:** 87101
Common Name: Majesty Sugar Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** AA13

Observation Date of Plant: 8/28/2020
Plant Habit: Upright oval becoming round
Plant Height: 40-45 ft.
Plant Width: 30-40 ft
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker - not active

Disease Severity: Aesthetics affected but almost normal looking

Cultural Problems: Crowded by nearby plants

Nuisances:

Recommended: Yes

Comments on plant: New growth is about to overcome aesthetic problem of old canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Monumentale **Family:** Aceraceae **Tsnum:** 96132
Common Name: Temple's Upright Maple
Source: Schichtel's Nursery **Quantity observed:** 2 **Location:** CFA, AA12

Observation Date of Plant: 8/27/2020
Plant Habit: Columnar
Plant Height: 35-45 ft.
Plant Width: 4-8 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, narrow/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very unique growth habit. One of the top five most columnar growth habits in the arboretum. One of two trees moved in 2016 due to unavoidable construction but still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/6/2008

Aesthetics: Good

Persistence: 1-2weeks

Fall Color: A lot of yellow but also bright red, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Morton **Family:** Aceraceae **Tsnum:** 00157
Common Name: Crescendo Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** B12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval becoming more round.
Plant Height: 30-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2002. Has a nice central leader.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/10/2004
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:** -0-
Cultivar: Seneca Chief **Family:** Aceraceae **Tsnum:** 86187
Common Name: Seneca Chief Sugar Maple
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** AA12

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, narrow/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Dense and uniform branching habit is very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Golden yellow

Date of observation: 10/28/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Sisseton **Family:** Aceraceae **Tsnum:** 10015
Common Name: Northern Flare Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A12

Observation Date of Plant: 8/27/2020
Plant Habit: Upright oval
Plant Height: 12-16 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2011.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/4/2015
Aesthetics: Excellent, bright colors **Persistence:** 1-2 weeks
Fall Color: Orange/yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Sugar Cone **Family:** Aceraceae **Tsnum:** 04043
Common Name: Sugar Cone Maple
Source: Schichtel's Nursery **Quantity observed:** 2 **Location:** B12

Observation Date of Plant: 8/31/2020
Plant Habit: Columnar
Plant Height: 15-20 ft.
Plant Width: 5-8 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Residential street, confined areas, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. Growth habit is very uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Whit XLIX **Family:** Aceraceae **Tsnum:** 20007
Common Name: Powder Keg Sugar Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** HG, G4, SC01-12

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval
Plant Height: 7-10 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2021 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/1/2021
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Red/orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer saccharum **Variety:**
Cultivar: Wright Brothers **Family:** Aceraceae **Tsnum:** 01002
Common Name: Wright Brothers Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC01-18

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 18-24 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker on trunk
Disease Severity: Moderate injury but appears compartmentalized
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2004.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2017
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Mostly a nice rosy red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer tataricum **Variety:** -0-
Cultivar: -0- **Family:** Aceraceae **Tsnum:** 86188
Common Name: Tatarian Maple
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** B13

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good
Fruit Present: Abundant
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Many suckers
Recommended: Marginal
Comments on plant: Not a very uniform canopy due to storm damage. Trunk is developing significant gnarls along trunk.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer tataricum **Variety:**
Cultivar: Actar **Family:** Aceraceae **Tsnum:** 94019
Common Name: Summer Splendor Tatarian Maple
Source: Discover-Tree Research **Quantity observed:** 2 **Location:** SC2-7,8

Observation Date of Plant: 9/22/2021
Plant Habit: Irregular
Plant Height: 15-18 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small tree

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved in 2003 due to unavoidable construction. Misshapen by storm damage in 2002 and again in March 2021.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer tataricum **Variety:** tree-form
Cultivar: GarAnn **Family:** Aceraceae **Tsnum:** 12078
Common Name: Hot Wings Tatarian Maple
Source: Fort Collins Nursery **Quantity observed:** 2 **Location:** SC03-05, C11

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-12in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good to poor
Landscape Uses: Specimen, small tree

Overall Plant Health: Good to poor

Fruit Present: Abundant

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: One of two has large canker affecting 50% of canopy but other tree looks good.
Red samaras are very showy at peak.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer tataricum **Variety:**
Cultivar: Hot Wings **Family:** Aceraceae **Tsnum:** 04025
Common Name: Hot Wings Tatarian Maple
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** B12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval becoming more broad with time, multistem
Plant Height: 15-20 ft.
Plant Width: 25-30 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small confined areas

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Red to tan
Insect Pests:

Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:

Nuisances:
Recommended: Yes

Comments on plant: Planted in 2004. Growth habit was deformed by snow damage October 2011.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer tataricum **Variety:**
Cultivar: JFS-KW2 **Family:** Aceraceae **Tsnum:** 06022
Common Name: Rugged Charm Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** B12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 25-30 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2007. Growth habit is a little one sided and getting crowded by nearby trees. No sign of chlorosis.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer tataricum **Variety:**
Cultivar: 'GarAnn' **Family:** Aceraceae **Tsnum:** 00042
Common Name: Hotwing Tatarian Maple
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** C14

Observation Date of Plant: 8/31/2020

Plant Habit: Upright oval

Plant Height: 8-12 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit on top 25% is flopping to north for unknown reason. Possibly due to crowding from nearby trees?

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer tataricum **Variety:**
Cultivar: Actar **Family:** Aceraceae **Tsnum:** 10143
Common Name: Hot Wings Tatarian Maple
Source: Garden and Home Show **Quantity observed:** 1 **Location:** B12

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small confined areas

Overall Plant Health: Good
Fruit Present: Few
Fruit Color: Red, very showy
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2011. Tree is crowded and growth habit leaning towards sun.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer triflorum **Variety:**
Cultivar: **Family:** Aceracea **Tsnum:** 16001
Common Name: Three-flowered Maple
Source: Carlton Plants **Quantity observed:** 2 **Location:** G4, G5

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shade tree, specimen

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018. Growth habit isn't very attractive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/4/2018
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow, red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer truncatum **Variety:**
Cultivar: Warrenred **Family:** Aceraceae **Tsnum:** 07063
Common Name: Pacific Sunset Shantung Maple
Source: Carlton Plants **Quantity observed:** 1 **Location:** SC03-04

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 18-24 ft.
Plant Width: 18-24 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, medium shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Scion is flaring out slightly over root stock graft. Growth habit is not very uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer truncatum x platanoides **Variety:**
Cultivar: JFS-KW187 **Family:** Sapindaceae **Tsnum:** 15063
Common Name: Urban Sunset Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC01-12, HG

Observation Date of Plant: 10/8/2020
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 2-3 in.

Foliage Color: Dark green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor to fair
Landscape Uses: Specimen, shade tree

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2016 and another in 2017. Foliage color is very attractive. Canker will probably kill one tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer truncatum x platanoides **Variety:**
Cultivar: JFS-KW202 **Family:** Aceraceae **Tsnum:** 09013
Common Name: Crimson Sunset Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** A11, SC01-13

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, medium shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2011.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/2/2021
Aesthetics: Very good **Persistence:** 1-2 weeks
Fall Color: Red, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer truncatum x platanoides **Variety:**
Cultivar: JFS-KW249 **Family:** Aceraceae **Tsnum:** 16016
Common Name: Ruby Sunset Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** HG

Observation Date of Plant: 8/17/2020
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 1-4 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shade tree, specimen

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: marginal
Comments on plant: Planted in 2017. One of two looks weak.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer x **Variety:** -0-
Cultivar: Warrenred **Family:** Aceraceae **Tsnum:** 90022
Common Name: Pacific Sunset Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** AA13

Observation Date of Plant: 8/28/2020
Plant Habit: Round to broad oval
Plant Height: 35-45 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, medium shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer x freemanii **Variety:** -0-
Cultivar: Celebration **Family:** Aceraceae **Tsnum:** 90047
Common Name: Celebration Maple
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** C14, SC2-9

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 45-60 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Light to medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Second tree has less vigor possibly because it was moved in 2003 due to construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2017
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: red, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer x freemanii **Variety:**
Cultivar: DTR 102 **Family:** Aceraceae **Tsnum:** 94075
Common Name: Autumn Fantasy Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC2-10

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 30-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: bright, red

Date of observation: 10/9/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Acer x freemanii **Variety:** -0-
Cultivar: Jeffersred **Family:** Aceraceae **Tsnum:** 91100
Common Name: Autumn Blaze Maple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC1-3

Observation Date of Plant: 10/1/2021

Plant Habit: Upright oval

Plant Height: 40-50 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Bright red

Date of observation: 10/6/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus flava **Variety:**
Cultivar: **Family:** Hippocastanaceae **Tsnum:** 06031
Common Name: Yellow Buckeye
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** SC09-1, A7, B7

Observation Date of Plant: 9/7/2021

Plant Habit: Round to irregular

Plant Height: 10-15 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant: Planted in 2008. One is leaning a lot due to big bend in trunk halfway up. Second tree has large frost crack on trunk but otherwise looks good. Third tree looks fine. Two plants had the top 10% broken by snow in 2018 which will affect

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus glabra **Variety:** -0-
Cultivar: -0- **Family:** Hippocastanaceae **Tsnum:** 78141
Common Name: Ohio Buckeye
Source: Unknown **Quantity observed:** 2 **Location:** A6

Observation Date of Plant: 9/7/2021
Plant Habit: Upright oval to round
Plant Height: 20-25 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One specimen is crowded and would be wider if given the space. Second tree lost 20% canopy due to storm damage in 2017.

Observation Date of Flowers: 5/11/2006

Flower Color: Cream

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: reddish orange yellow

Date of observation: 10/8/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus glabra **Variety:**
Cultivar: Early Glow **Family:** Sapindaceae **Tsnum:** 16003
Common Name: Early Glow Ohio Buckeye
Source: Carlton Plants **Quantity observed:** 3 **Location:** A7, HG, SC05-05

Observation Date of Plant: 9/8/2021
Plant Habit: Round, irregular
Plant Height: 6-8 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, Shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. One of two lost top 30% of central leader from unknown cause in 2018. Vigor is a little low on one of two from unknown reason.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus glabra **Variety:**
Cultivar: J.N. Select **Family:** Sapindaceae **Tsnum:** 18016
Common Name: Early Glow™ Buckeye
Source: Carlton Plants **Quantity observed:** 3 **Location:** A7

Observation Date of Plant: 9/8/2021
Plant Habit: Young undefined
Plant Height: 6-8 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus glabra x octandra **Variety:** -0-
Cultivar: -0- **Family:** Hippocastanaceae **Tsnum:** 87189
Common Name: Hybrid Buckeye
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** B6

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval, pyramidal
Plant Height: 20-30 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 10-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is fairly uniform and very attractive. Included bark near central leader may create problem in future.

Observation Date of Flowers: 5/10/2006

Flower Color: Cream

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange, red-orange

Date of observation: 10/18/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus hippocastanum **Variety:** -0-
Cultivar: -0- **Family:** Hippocastanaceae **Tsnum:** 82187
Common Name: Common Horsechestnut
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** B6

Observation Date of Plant: 9/10/2021

Plant Habit: Round, multistem

Plant Height: 25-35 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Plant width may be wider if not crowded by neighboring trees.

Observation Date of Flowers: 5/26/2006

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers: No signs of any flowers in 2006.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus hippocastanum **Variety:**
Cultivar: Baumannii **Family:** Hippocastanaceae **Tsnum:** 99034
Common Name: Baumann Horsechestnut
Source: Carlton Plants **Quantity observed:** 2 **Location:** A6, B6

Observation Date of Plant: 9/7/2021
Plant Habit: Upright oval to round
Plant Height: 30-35 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large, shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive overall growth habit.

Observation Date of Flowers: 5/15/2006
Flower Color: White with red speckles in center.
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 10-40%
Bloom Stage: Flowers open
Comments on Flowers: Flowers are large and showy but very few.

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus parvifolia **Variety:**
Cultivar: **Family:** Hippocastanaceae **Tsnum:** 08020
Common Name: Bottlebrush Buckeye
Source: Carlton Plants **Quantity observed:** 2 **Location:** A7, B7

Observation Date of Plant: 9/10/2021
Plant Habit: Young, undefined, multistem
Plant Height: 4-6 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2012. Lost central leader from unknown cause while in lathhouse and growth habit will take time to recover. Had tip dieback in 2018 from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus pavia **Variety:**
Cultivar: **Family:** Hippocastanaceae **Tsnum:** 08021
Common Name: Red Buckeye
Source: Carlton Plants **Quantity observed:** 1 **Location:** B6

Observation Date of Plant: 9/10/2021
Plant Habit: Has become multistemmed
Plant Height: 7-9 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2009. Starting to gain size.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus pavia **Variety:**
Cultivar: **Family:** Hippocastanaceae **Tsnum:** 07082
Common Name: Red Buckeye
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** A7, B7

Observation Date of Plant: 9/7/2021
Plant Habit: Young, undefined
Plant Height: 4-5 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Shade tree, residential street

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long but seemed to be reestablishing vigor in 2017.

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant: Planted in 2013. Vigor is improving since last evaluation. One tree has best vigor from sucker and almost as tall as original stem so may consider pruning out the old which seems oddly shaped with only fair vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus x **Variety:**
Cultivar: Homestead **Family:** Hippocastanaceae **Tsnum:** 06009
Common Name: Homestead Horse Chestnut
Source: Carlton Plants **Quantity observed:** 2 **Location:** B6, SC09-4

Observation Date of Plant: 9/10/2021

Plant Habit: Round

Plant Height: 10-14 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good

Fruit Present: Few

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Excellent, uniform growth habit although one tree had top 18 in. of central leader broken by very late snow in May 18, 2017 so growth habit is less uniform and shorter. Canopy on second tree seems thin and weak from unknown

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus x arnoldiana **Variety:**
Cultivar: Autumn Splendor **Family:** Hippocastanaceae **Tsnum:** 02021
Common Name: Autumn Splendor Horsechestnut
Source: Carlton Plants **Quantity observed:** 2 **Location:** SC9-2,3

Observation Date of Plant: 8/25/2020

Plant Habit: Round

Plant Height: 8-14 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, wildlife

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two had 60% of branches removed by vandals in 2005. Some foliage getting brown edges with very hot upper 90's and little rain.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus x carnea **Variety:**
Cultivar: Briotii **Family:** Hippocastanaceae **Tsnum:** 10001
Common Name: Briotii Red Horsechestnut
Source: Carlton Plants **Quantity observed:** 2 **Location:** A7, B7

Observation Date of Plant: 9/7/2021
Plant Habit: Round becoming irregular
Plant Height: 8-12 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. May be taller but had some snow breakage at top. May also have a canker problem at top branches.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aesculus x carnea **Variety:**
Cultivar: Ft. McNair **Family:** Sapindaceae **Tsnum:** 19027
Common Name: Fort McNair Red Horse Chestnut
Source: Carlton Plants **Quantity observed:** 2 **Location:** A7, SC05-06

Observation Date of Plant: 9/8/2021
Plant Habit: Round
Plant Height: 6-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2020. Has a little tip dieback from the previous winter.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Alnus glutinosa **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 82060
Common Name: Black Alder
Source: Monrovia Growers **Quantity observed:** 1 **Location:** D4

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 15-22 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, wet areas

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Tan
Insect Pests:

Pest Severity:
Plant Disease: Canker
Disease Severity: Severe injury

Cultural Problems:
Nuisances: Severe suckering

Recommended: No

Comments on plant: Canker on trunk killed top half of tree but improving since 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Alnus hirsuta **Variety:**
Cultivar: **Family:** Betulaceae **Tsnum:** 98063
Common Name: Manchurian Alder
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D4

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, wet areas

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Green turning to tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Canopy is a little chlorotic.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Alnus hirsuta **Variety:**
Cultivar: Harbin **Family:** Betulaceae **Tsnum:** 10026
Common Name: Prairie Horizon Alder
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** F5

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval
Plant Height: 15-25 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wet areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Minor suckering
Recommended: Yes
Comments on plant: Planted in 2011.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Alnus incana **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 82185
Common Name: White Alder
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/15/2021

Plant Habit: Upright oval

Plant Height: 12-17 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, wet areas

Overall Plant Health: Fair

Fruit Present: Abundant fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease: Leaf spot

Disease Severity: Moderate injury

Cultural Problems: Probably requires more irrigation.

Nuisances:

Recommended: Marginal

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Alnus serrulata **Variety:**
Cultivar: **Family:** Betulaceae **Tsnum:** 07083
Common Name: Smooth Alder
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** F5

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval and somewhat irregular
Plant Height: 25-32 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wet areas

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Green turning to brown
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Minor suckering
Nuisances:
Recommended: Yes
Comments on plant: Planted Fall of 2007.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/26/2017
Aesthetics: Poor **Persistence:**
Fall Color: Still very green

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier alnifolia **Variety:**
Cultivar: Smokey **Family:** Rosaceae **Tsnum:** 04041
Common Name: Smokey Serviceberry
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021

Plant Habit: Upright oval to round

Plant Height: 10-15 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Dark purple

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005.

Observation Date of Flowers: 4/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/11/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier canadensis **Variety:**
Cultivar: Glenn Form **Family:** Rosaceae **Tsnum:** 19036
Common Name: Rainbow Pillar Amelanchier
Source: Carlton Plants **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021

Plant Habit: Young, undefined

Plant Height: 2 ft.

Plant Width: 1 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, wildlife

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2020. Top half died before leafing out this spring from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier canadensis **Variety:**
Cultivar: Globe **Family:** Rosaceae **Tsnum:** 04042
Common Name: Globe Serviceberry
Source: Schichtel's Nursery **Quantity observed:** 2 **Location:** A1, SC11-14

Observation Date of Plant: 9/5/2021

Plant Habit: Upright oval to round

Plant Height: 10-14 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, wildlife, confined areas

Overall Plant Health: Poor to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe on one of two trees but seems to be closing over.

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2004. Slight suckering but looks good overall. One of two is 50% dead from canker on trunk and branches.

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red/bronze

Date of observation: 10/28/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier grandiflora **Variety:** -0-
Cultivar: Autumn Brilliance **Family:** Rosaceae **Tsnum:** 87104
Common Name: Autumn Brilliance Apple Serviceberry
Source: Pacific Coast Nursery **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/13/2021
Plant Habit: Upright oval to round
Plant Height: 12-18 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Severe suckering on single stem form.
Recommended: Yes
Comments on plant: Birds make fruit disappear quickly. One of two trees seems moderately chlorotic from unknown cause.

Observation Date of Flowers: 4/11/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/25/2021
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: orange, red, deep red, purple

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier laevis **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 88100
Common Name: Allegheny Serviceberry
Source: Carlton Plants **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/13/2021

Plant Habit: Broad oval

Plant Height: 18-25 ft.

Plant Width: 32-38 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/11/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-95%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/25/2021

Aesthetics: Excellent

Persistence: 1-2 weeks

Fall Color: Golden yellow with red turning all reddish

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: Jfs-arb **Family:** Rosaceae **Tsnum:** 06032
Common Name: Spring Flurry Service Berry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** A0, B1

Observation Date of Plant: 9/5/2021
Plant Habit: Upright oval to irregular
Plant Height: 15-20 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, small tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2008.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/12/2017
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Orange/red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: JFS-ARB **Family:** Rosaceae **Tsnum:** 04030
Common Name: Spring Flurry Serviceberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC11-13

Observation Date of Plant: 8/20/2020

Plant Habit: Round

Plant Height: 6-8 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: canker or possibly sun scald

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vandals destroyed about half of canopy in 2005. Looks fairly good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: Rogers **Family:** Rosaceae **Tsnum:** 01023
Common Name: Lustre Serviceberry
Source: Carlton Plants **Quantity observed:** 2 **Location:** SC8-1, 3

Observation Date of Plant: 8/25/2020
Plant Habit: Round
Plant Height: 8-13 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would be in better health if not severely vandalized in 2005. One of two looks fair and starting to lean a lot.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/16/2003

Aesthetics: Fair

Persistence: 1-2 weeks

Fall Color: burnt orange, burnt red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: Snow **Family:** Rosaceae **Tsnum:** 01024
Common Name: Snowcloud Serviceberry
Source: Carlton Plants **Quantity observed:** 1 **Location:** SC8-4

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval
Plant Height: 10-14 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Did not get staked properly and has a significant lean to one side.

Nuisances:

Recommended: Yes

Comments on plant: 75% of canopy vandalized in 2005 but has recovered now.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier laevis **Variety:**
Cultivar: Snowcloud **Family:** Rosaceae **Tsnum:** 99004
Common Name: Snowcloud Serviceberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC8-7

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval
Plant Height: 10-12 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 5-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Leaning despite being staked.
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2003.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier lamarckii **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 07070
Common Name: Serviceberry
Source: Carlton Plants **Quantity observed:** 2 **Location:** A1

Observation Date of Plant: 9/6/2021
Plant Habit: Upright oval becoming more broad
Plant Height: 7-10 ft.
Plant Width: 7-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. One of two damaged by deer in 2013 and is a little smaller.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier stolonifera **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 81222
Common Name: Running Serviceberry
Source: Smith Nursery Co. **Quantity observed:** 2 **Location:** C1, B0

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval to round
Plant Height: 9-12 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 5 - 10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Few
Fruit Color: Dark purple
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: One of two plants getting crowded out by neighboring plants.
Nuisances:
Recommended: Yes
Comments on plant: Spreading slowly by many small suckers close to original plant - not invasive.
Nice growth habit.

Observation Date of Flowers: 4/23/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2003
Aesthetics: Good **Persistence:** < 1 week
Fall Color: burnt orange w/ red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier x **Variety:** -0-
Cultivar: Regent **Family:** Rosaceae **Tsnum:** 83174
Common Name: Regent Serviceberry
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** C1, C0

Observation Date of Plant: 9/13/2021
Plant Habit: Upright oval to round, multistem
Plant Height: 8-14 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/23/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/14/2013
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: yellow, rose, red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier x grandiflora **Variety:** -0-
Cultivar: Cole **Family:** Rosaceae **Tsnum:** 92057
Common Name: Cole Serviceberry
Source: Carlton Plants **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval to round
Plant Height: 8 - 10 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a bad lean to it. Slight suckering.

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange, red

Date of observation: 10/12/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier x grandiflora **Variety:**
Cultivar: Forest Prince **Family:** Rosaceae **Tsnum:** 04003
Common Name: Forest Prince Serviceberry
Source: Carlton Plants **Quantity observed:** 2 **Location:** SC10-3,4

Observation Date of Plant: 8/25/2020

Plant Habit: Upright oval to round

Plant Height: 6-10 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 1-4 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances: Minor suckering

Recommended: Marginal

Comments on plant: Vigor and canopy is weak from canker on both trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amelanchier x grandiflora **Variety:** -0-
Cultivar: Robin Hill **Family:** Rosaceae **Tsnum:** 86109
Common Name: Robin Hill Apple Serviceberry
Source: Carlton Plants **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 8/10/2021

Plant Habit: Upright oval

Plant Height: 8 - 12 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Marginal

Comments on plant: Vigor is low. May grow wider with more space.

Observation Date of Flowers: 4/11/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: bright red, orange

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amorpha canescens **Variety:**
Cultivar: **Family:** Fabaceae **Tsnum:** 16110
Common Name: Lead plant
Source: Garden and Home Show **Quantity observed:** 1 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Young, undefined
Plant Height: 3-4 ft.
Plant Width: 1 ft.
Current Seasons Growth: 2-3 ft.

Foliage Color: Gray green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2019. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amorpha canescens **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 85063
Common Name: Lead Plant
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** E7

Observation Date of Plant: 9/29/2020
Plant Habit: Upright, irregular
Plant Height: 2-3 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Gray/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: 5/23/06: 60-80% dead during winter of -16F. In 2010 it survived a similar winter without significant dieback. Plant has low vigor.

Observation Date of Flowers: 7/15/2003
Flower Color: Purple
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Amorpha fruticosa **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 78142
Common Name: Bastard Indigo
Source: USDA/NC-7 **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 10/5/2020
Plant Habit: Broad oval
Plant Height: 6-8 ft.
Plant Width: 8-10 ft
Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Growth habit is very open and floppy.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aronia melanocarpa **Variety:**
Cultivar: McKenzie **Family:** Rosaceae **Tsnum:** 15101
Common Name: McKenzie Black Chokeberry
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** B1, HC

Observation Date of Plant: 9/9/2021

Plant Habit: Upright oval

Plant Height: 4-5 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, wildlife

Overall Plant Health: Good

Fruit Present: Abundant, attractive

Fruit Color: black/dark purple

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in Fall 2016. Grazed by deer in 2021.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red

Date of observation: 10/11/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aronia melanocarpa **Variety:**
Cultivar: UCONNAM166 **Family:** Rosaceae **Tsnum:** 19067
Common Name: Low Scape Hedger® Chokeberry
Source: Proven Winners/Spring Mead **Quantity observed:** 1 **Location:** B0

Observation Date of Plant: 9/9/2021

Plant Habit: Round

Plant Height: 1-1.5 ft

Plant Width: 1-1.5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2019. Starting to gain size.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aronia melanocarpa **Variety:**
Cultivar: Viking **Family:** Rosaceae **Tsnum:** 97012
Common Name: Viking Chokeberry
Source: Sjulín Nurseries **Quantity observed:** 1 **Location:** A1

Observation Date of Plant: 10/1/2020

Plant Habit: broad oval to round

Plant Height: 6-8 ft.

Plant Width: 8-11 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Black

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Fruit is 1/4" and very plump. Plant has mild chlorosis possibly due to inadequate irrigation at edge of arboretum.

Observation Date of Flowers: 5/8/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aronia melanocarpa elata **Variety:** elata
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 86103
Common Name: Glossy Black Chokeberry
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval
Plant Height: 4-6 ft.
Plant Width: 3 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, fall color

Overall Plant Health: Good to fair
Fruit Present: Good
Fruit Color: Black
Insect Pests:

Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury

Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Used to be much larger but cut back and now regrowing.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Aronia prunifolia **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 85159
Common Name: Purple-fruited Chokeberry
Source: Timber Creek Nursery **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021

Plant Habit: Broad oval

Plant Height: 9-13 ft

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Black

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has one or two branches dying back from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red/orange

Date of observation: 10/12/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Artemisia versicolor **Variety:**
Cultivar: Sea Foam **Family:** Compositae **Tsnum:** 03164
Common Name: Sea Foam Artemisia
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** G1

Observation Date of Plant: 9/17/2021
Plant Habit: Creeping (ground cover)
Plant Height: 0.5 - 1.5 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Gray
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Ground cover, specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Moved in 2017 due to unavoidable construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis koreana **Variety:** -0-
Cultivar: -0- **Family:** Berberidaceae **Tsnum:** 81251
Common Name: Korean Barberry
Source: Cross Nurseries Inc. **Quantity observed:** 2 **Location:** C9, D9

Observation Date of Plant: 9/8/2020

Plant Habit: Arching to irregular

Plant Height: 5 - 7 ft.

Plant Width: 4-6 ft

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Poor

Fruit Present: Few

Fruit Color: Red, showy

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Rejuvenated in 2011. Both have sporadic, uneven growth and thin canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis mentorensis **Variety:** -0-
Cultivar: -0- **Family:** Berberidaceae **Tsnum:** 83202
Common Name: Mentor Barberry
Source: Monrovia Growers **Quantity observed:** 3 **Location:** C8, C9

Observation Date of Plant: 9/8/2020
Plant Habit: Round to broad oval
Plant Height: 5 - 7 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Excellent
Fruit Present: Few fruit
Fruit Color: Green turning to red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/8/2016
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Mostly yellow with minor amount of rosy r

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergia **Variety:**
Cultivar: Cherry Bomb **Family:** Berberidaceae **Tsnum:** 04009
Common Name: Cherry Bomb Barberry
Source: Monrovia Growers **Quantity observed:** 2 **Location:** D9

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 2-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-9 in.

Foliage Color: Red outer foliage turning to green on the inner foliage

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Dark red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:** -0-
Cultivar: -0- **Family:** Globosa Nana Barberry **Tsnum:** 91144
Common Name: 'Globosa Nana'
Source: Oregon Garden Products **Quantity observed:** 2 **Location:** C8

Observation Date of Plant: 9/8/2020

Plant Habit: Round to broad oval

Plant Height: 4-5 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Excellent

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Fruit Present: Moderate quantity but still showy.

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is relatively smaller and more delicate looking. Growth habit is more compact and very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow, orange, red

Date of observation: 11/8/2016

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:**
Cultivar: Bailone **Family:** Berberidaceae **Tsnum:** 95033
Common Name: Ruby Carousel Barberry
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** D9

Observation Date of Plant: 9/28/2020
Plant Habit: Upright, irregular
Plant Height: 4-6 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Red
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Few, showy
Fruit Color: Red
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Canopy is a little thin. May need a fairly moist site.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:**
Cultivar: Baitwo **Family:** Berberidaceae **Tsnum:** 95032
Common Name: Burgundy Carousel Barberry
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D9

Observation Date of Plant: 9/28/2020

Plant Habit: Arching, upright oval

Plant Height: 3 - 5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Red fading to green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy has 10-15% dead twigs probably due to old age.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/21/2003

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: bright pinkish red, peach/orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:** atropurpurea
Cultivar: Crimson Pygmy **Family:** Berberidaceae **Tsnum:** 81102
Common Name: Crimson Pygmy Japanese Barberry
Source: Monrovia Growers **Quantity observed:** 2 **Location:** C8, C9

Observation Date of Plant: 9/8/2020

Plant Habit: Broad oval

Plant Height: 2-3 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Red tips (on new growth) but mostly medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good to poor

Fruit Present: Few fruit

Fruit Color: Dark red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Nice compact growth habit but not much fruit. One of two plants is in decline.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/8/2016

Aesthetics: Excellent **Persistence:** 1-2 weeks

Fall Color: red and some yellow, bright

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:** -0-
Cultivar: Erecta **Family:** Berberidaceae **Tsnum:** 86150
Common Name: Erect Japanese Barberry
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **Location:** C8

Observation Date of Plant: 9/8/2020
Plant Habit: Arching, broad oval to round
Plant Height: 4-6 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good
Fruit Present: Few, showy
Fruit Color: Green turning to red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Periodically needs old twigs removed.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/8/2016
Aesthetics: good **Persistence:** 1-2 weeks
Fall Color: orange/red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:** atropurpurea
Cultivar: Gold Ring **Family:** Berberidaceae **Tsnum:** 85095
Common Name: Gold Ring Japanese Barberry
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** C9

Observation Date of Plant: 9/8/2020
Plant Habit: Broad oval to irregular
Plant Height: 4-5 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Fair

Fruit Present: Few

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of three lacks vigor. Gold ring around leaf edge is not too obvious unless up close. All three have lower vigor and significant amount of dead twigs. Appearance may improve if rejuvenated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:**
Cultivar: Goruzam **Family:** Berberidaceae **Tsnum:** 18052
Common Name: Golden Ruby® Barberry
Source: Monrovia Growers **Quantity observed:** 2 **Location:** C8

Observation Date of Plant: 8/31/2020

Plant Habit: Round

Plant Height: 6 in.

Plant Width: 6-10 in.

Current Seasons Growth: 1 in.

Foliage Color: Dark red with bright green edge matures to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2018 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:** -0-
Cultivar: Kobold **Family:** Berberidaceae **Tsnum:** 81100
Common Name: Kobold Japanese Barberry
Source: Monrovia Growers **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 9/8/2020

Plant Habit: Broad oval

Plant Height: 2 - 3 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green inner foliage with red on outer foliage.

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Poor

Fruit Present: Few fruit

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Crowded by nearby plants

Nuisances:

Recommended: Marginal

Comments on plant: Fairly bright rosy red at tips. Getting crowded out by neighboring plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red, yellow

Date of observation: 11/8/2016

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:**
Cultivar: Maria **Family:** Berberidaceae **Tsnum:** 15074
Common Name: Sunjoy Gold Pillar Barberry
Source: Monrovia Growers **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 9/8/2020

Plant Habit: Upright oval

Plant Height: 1 ft.

Plant Width: .5 ft.

Current Seasons Growth: 1 in.

Foliage Color: Yellow

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border, barrier

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2015. One of two failed to establish. Second plant is barely alive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Rosey red

Date of observation: 11/8/2016

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:** -0-
Cultivar: Marshall **Family:** Berberidaceae **Tsnum:** 82099
Common Name: Marshall Japanese Barberry
Source: Cross Nurseries Inc. **Quantity observed:** 2 **Location:** C9

Observation Date of Plant: 9/8/2020

Plant Habit: Round, arching

Plant Height: 5- 6 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Red with more green on the inner foliage.

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Dark red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A solid performer over the years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: dark purple

Date of observation: 9/20/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:**
Cultivar: Monlers **Family:** Berberidaceae **Tsnum:** 15083
Common Name: Gold Nugget Dwarf Japanese Barberry
Source: Monrovia Growers **Quantity observed:** 3 **Location:** C8

Observation Date of Plant: 8/31/2020

Plant Habit: Round

Plant Height: 1-1.5 ft.

Plant Width: 1-1.5 ft.

Current Seasons Growth: 2 in.

Foliage Color: Yellow maturing to bright green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015. Very uniform growth habit. Vigor is a little low and has about 10% twig dieback.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red

Date of observation: 11/8/2016

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:**
Cultivar: Monry **Family:** Berberidaceae **Tsnum:** 01044
Common Name: Sunsatation Barberry
Source: Monrovia Growers **Quantity observed:** 2 **Location:** D9

Observation Date of Plant: 9/28/2020

Plant Habit: Upright

Plant Height: 1.5 - 2.5 ft.

Plant Width: 1.5 - 2 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Lighter green inner foliage with very light yellow/green on outer foliage.

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Orange/red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Not much vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:** -0-
Cultivar: Red Chief **Family:** Berberidaceae **Tsnum:** 91145
Common Name: Red Chief Barberry
Source: Oregon Garden Products **Quantity observed:** 3 **Location:** C9

Observation Date of Plant: 9/8/2020
Plant Habit: Upright, arching
Plant Height: 5-6 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, barrier plant

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage has a relatively narrower shape than most Berberis with a finer appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2003

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: bright red w/ red-purple

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:** atropurpurea
Cultivar: Rose Glow **Family:** Berberidaceae **Tsnum:** 81101
Common Name: Rose Glow Japanese Barberry
Source: Monrovia Growers **Quantity observed:** 2 **Location:** C8, C9

Observation Date of Plant: 9/8/2020

Plant Habit: Round

Plant Height: 4-6 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Variegated slightly with lighter red markings, predominantly red

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Fair

Fruit Present: Moderate amount

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is red with some variegation which is nice when viewed up close. One of two plants has a lot of dead twigs (20% of canopy). May look better if rejuvenated.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: fair

Fall Color: Red

Date of observation: 11/8/2016

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis thunbergii **Variety:** -0-
Cultivar: True Hedge **Family:** Berberidaceae **Tsnum:** 92261
Common Name: True Hedge Japanese Barberry
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 9/8/2020
Plant Habit: Upright, arching
Plant Height: 4-5 ft.
Plant Width: 5-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Few

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Vigor is low and about 50% of canopy died in the past from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis x **Variety:**
Cultivar: Concorde **Family:** Berberidaceae **Tsnum:** 02048
Common Name: Concorde Barberry
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** D9

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 1-2 ft.

Plant Width: 1 ft.

Current Seasons Growth: 1 in.

Foliage Color: Predominantly red fading to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in arboretum in 2003. Still fairly small and very low vigor. Barely alive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berberis x **Variety:** -0-
Cultivar: Emerald Carrousel **Family:** Berberidacea **Tsnum:** 90049
Common Name: Emerald Carrousel Barberry
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** C9

Observation Date of Plant: 9/8/2020
Plant Habit: Round to broad oval
Plant Height: 5 - 7 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Excellent
Fruit Present: Moderate, very showy
Fruit Color: Green turning to red
Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Showy flowers in spring and very showy fruit in fall and winter. One of the best looking plants in the arboretum.

Observation Date of Flowers: 4/24/2012

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 95-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright red, orangish pink

Date of observation: 10/10/2004

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Berbis thunbergii **Variety:**
Cultivar: Helmond Pillar **Family:** Berberidaceae **Tsnum:** 06070
Common Name: Helmond Pillar Barberry
Source: Carlton Plants **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 9/8/2020
Plant Habit: Columnar
Plant Height: 3-4 ft.
Plant Width: 12 in.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark red and dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, hedge, barrier

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2011. Vigor possibly would improve in irrigated landscape.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Betula alleghaniensis **Variety:**
Cultivar: **Family:** Betulaceae **Tsnum:** 16034
Common Name: Yellow Birch
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** F4

Observation Date of Plant: 9/20/2021
Plant Habit: Young, undefined
Plant Height: 4-5 ft.
Plant Width: 2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shade tree, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Betula nigra **Variety:**
Cultivar: Dickinson **Family:** Betulaceae **Tsnum:** 20008
Common Name: Northern Tribute Birch
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** F4, HG

Observation Date of Plant: 9/20/2021
Plant Habit: Young, undefined
Plant Height: 8-12 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree, wet areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2021 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Betula papyrifera **Variety:**
Cultivar: Varen **Family:** Betulaceae **Tsnum:** 15052
Common Name: Prairie Dream Birch
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** E4

Observation Date of Plant: 9/14/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 8-12 in

Foliage Color: Medium to dark green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wet areas , shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017 and another in 2019 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/8/2018

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Betula papyrifera **Variety:**
Cultivar: Varen **Family:** Betulaceae **Tsnum:** 03020
Common Name: Paper Birch
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** E2, E3

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 18-25 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree, moist areas

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Green turning to tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Central leader is flopping to one side on one of two trees probably due to heavy snow in May 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Betula platyphylla **Variety:**
Cultivar: Jefpark **Family:** Betulaceae **Tsnum:** 19014
Common Name: Parkland Pillar Birch
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F4

Observation Date of Plant: 9/20/2021

Plant Habit: Columnar

Plant Height: 6-8 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, wet areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests: Japanese beetle

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2020.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Betula pumila **Variety:**
Cultivar: Ames 32762 **Family:** Betulaceae **Tsnum:** 16079
Common Name: Birch
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** F5

Observation Date of Plant: 9/20/2021
Plant Habit: Young undefined
Plant Height: 4-5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Betula utilis **Variety:**
Cultivar: Madison **Family:** Betulaceae **Tsnum:** 07051
Common Name: White Satin Birch
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F4

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval becoming irregular
Plant Height: 25-32 ft.
Plant Width: 15-22
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: yes

Comments on plant: Planted in arboretum in 2009. Snow damage has made habit less uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Betula x **Variety:** -0-
Cultivar: Rockimon **Family:** Betulaceae **Tsnum:** 90024
Common Name: Rocky Mountain Splendor Birch
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** E5

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 30-35 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/20/2017
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: pale golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Betula x **Variety:**
Cultivar: Royal Frost **Family:** Betulaceae **Tsnum:** 18056
Common Name: Royal Frost Birch
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** F4

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval, multistemmed
Plant Height: 6-9 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Dark red/purple
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, moist areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buddleia alternifolia **Variety:**
Cultivar: **Family:** Loganiaceae **Tsnum:** 97243
Common Name: Fountain Butterfly Bush
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** G0

Observation Date of Plant: 9/17/2021

Plant Habit: Broad oval

Plant Height: 5-6 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Gray/green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen, xeriscape, shrub border, butterflies

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Doesn't look too good after flowering but eventually recovers and has good aesthetics.

Observation Date of Flowers: 6/1/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Comments on Flowers: Not fragrant

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buddleia x **Variety:**
Cultivar: SMNBDL **Family:** Scrophulariaceae **Tsnum:** 19069
Common Name: Pugster® Amethyst Butterfly Bush
Source: Proven Winners/Spring Mead **Quantity observed:** 3 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Young, undefined
Plant Height: 1 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 5-10 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus **Variety:**
Cultivar: Arctic Emerald **Family:** Buxaceae **Tsnum:** 14076
Common Name: Arctic Emerald Boxwood
Source: The Conard Pyle Co. **Quantity observed:** 5 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Upright oval
Plant Height: 2-3 ft
Plant Width: 1-2 ft.
Current Seasons Growth: 2-3 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. One of five is about half the size of the others for unknown reason.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus **Variety:**
Cultivar: Green Mountain **Family:** Buxaceae **Tsnum:** 98086
Common Name: Green Mountain Boxwood
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Upright oval
Plant Height: 4-6 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 4-6 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, Shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Turned reddish/brown/bronze in winter mostly on sunny southwest side. Moved in fall 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/21/2003

Aesthetics: Fair

Persistence: 1-2 weeks

Fall Color: burnt orange, deep rust

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus **Variety:**
Cultivar: Little Missy **Family:** Buxaceae **Tsnum:** 13075
Common Name: Little Missy Boxwood
Source: The Conard Pyle Co. **Quantity observed:** 2 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Round
Plant Height: 1 ft.
Plant Width: 1 ft.
Current Seasons Growth: 2-3 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Good
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus microphylla

Variety: koreana

Cultivar: -0-

Family: Buxaceae

Tsnum: 81194

Common Name: Korean Boxwood

Source: USDA/NC-7, Ames, IA

Quantity observed: 1

Location: CFA

Observation Date of Plant: 10/8/2020

Plant Habit: Broad oval

Plant Height: 1-2 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 3-5 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Has had a lot of dieback since last evaluation from unknown cause. Moved in fall 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus microphylla **Variety:**
Cultivar: Julia Jane **Family:** Buxaceae **Tsnum:** 97258
Common Name: Julia Jane Boxwood
Source: Fort Collins Nursery **Quantity observed:** 2 **Location:** G1

Observation Date of Plant: 9/17/2021
Plant Habit: Upright oval to round
Plant Height: 4-5.5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Foliage is still a good dark green color even in January. Hasn't had any winter dieback.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus microphylla **Variety:** koreana
Cultivar: Wintergreen **Family:** Buxaceae **Tsnum:** 85145
Common Name: Wintergreen Boxwood
Source: Synnestvedt Nursery **Quantity observed:** 2 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Broad oval
Plant Height: 2-3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 2-3 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks okay but foliage is not as shiny and attractive as some other cultivars.
Moved in fall of 2016 due to unavoidable construction and growth habit indicates
it was crowded and in too much shade at previous site.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus microphylla asiaticum **Variety:**
Cultivar: Gregem **Family:** Buxaceae **Tsnum:** 08124
Common Name: Baby Gem Boxwood
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Upright oval
Plant Height: 5-6 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 3-4 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Has much more vigor than the other Buxus in the collection.
Moved in fall of 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus sempervirens **Variety:**
Cultivar: Monrue **Family:** Buxaceae **Tsnum:** 17093
Common Name: Green Tower® Boxwood
Source: Monrovia Growers **Quantity observed:** 3 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Columnar
Plant Height: 4 ft.
Plant Width: 1 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border, hedge

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus x **Variety:**
Cultivar: Arctic Emerald **Family:** Buxaceae **Tsnum:** 07004
Common Name: Arctic Emerald Boxwood
Source: The Conard Pyle Co. **Quantity observed:** 2 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Upright oval
Plant Height: 2-3 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 2-4 in

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus x
Cultivar: Big Leaf
Common Name: Bigleaf Boxwood
Source: The Conard Pyle Co.

Family: Buxaceae
Quantity observed: 1

Variety:
Tsnum: 07005
Location: CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Round
Plant Height: 1-2 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 1-3 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus x
Cultivar: Conrowe
Common Name: Gordo Boxwood
Source: The Conard Pyle Co.

Family: Buxaceae
Quantity observed: 6

Variety:
Tsnum: 14077
Location: CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Round
Plant Height: 18-24 in.
Plant Width: 2 ft.
Current Seasons Growth: 3-4 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. Leaves are relatively large.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus x **Variety:**
Cultivar: Green Gem **Family:** Buxaceae **Tsnum:** 07071
Common Name: Green Gem Boxwood
Source: Carlton Plants **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Upright oval
Plant Height: 2-4 ft.
Plant Width: 2 ft
Current Seasons Growth: 3-4 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very uniform growth habit. Smaller leaves and very dense growth habit. Moved in 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus x **Variety:** -0-
Cultivar: Green Velvet **Family:** Buxaceae **Tsnum:** 92125
Common Name: Green Velvet Boxwood
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Broad oval, irregular
Plant Height: 3-4 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Hedge, Shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little more open than most. Moved in fall 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Buxus x **Variety:**
Cultivar: Krazgreen **Family:** Buxaceae **Tsnum:** 07003
Common Name: Green Ice Boxwood
Source: The Conard Pyle Co. **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Columnar
Plant Height: 3-4 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2016.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caragana arborescens **Variety:** -0-
Cultivar: -0- **Family:** Verbenaceae **Tsnum:** 78145
Common Name: Siberian Peashrub
Source: USDA/NC-7 **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 10/5/2020

Plant Habit: Broad oval or irregular

Plant Height: 8-10 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Too big for most landscapes.

Observation Date of Flowers: 5/15/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 26-50%

Bloom Stage: Flowers open

Comments on Flowers: Only flowering on inner half of the plant.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 9/20/2004

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caragana arborescens **Variety:**
Cultivar: Green Spires **Family:** Fabaceae **Tsnum:** 18015
Common Name: Green Spires™ Siberian Peashrub
Source: Carlton Plants **Quantity observed:** 2 **Location:** E5

Observation Date of Plant: 9/28/2020

Plant Habit: Young, undefined

Plant Height: 5-6 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2019. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caragana arborescens **Variety:**
Cultivar: Sutherland **Family:** Fabaceae **Tsnum:** 19029
Common Name: Sutherland Caragana
Source: Carlton Plants **Quantity observed:** 2 **Location:** E5

Observation Date of Plant: 9/28/2020

Plant Habit: Young, undefined

Plant Height: 4-5 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend. Trunk on one tree severely damaged by deer.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caragana frutex **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 89145
Common Name: Russian Peashrub
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **Location:** E8

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval to round
Plant Height: 5-8 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border, barrier

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: All are growing like a thicket.

Observation Date of Flowers: 5/15/2006
Flower Color: Yellow
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 51-60%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caragana frutex **Variety:** -0-
Cultivar: -0- **Family:** Fabaceae **Tsnum:** 93118
Common Name: Russian Peashrub
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** E8

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval
Plant Height: 3-5 ft
Plant Width: 3-4 ft.
Current Seasons Growth: 2-6 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Lacks vigor otherwise would probably look better.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caragana maximowicziana **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 78146
Common Name: Maximowicz Peashrub
Source: USDA/NC-7 **Quantity observed:** 1 **Location:** E6

Observation Date of Plant: 9/28/2020

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Barrier, Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive fine foliage. Rejuvenated in 2009. Nice dense growth habit.

Observation Date of Flowers: 5/22/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 9/20/2004

Aesthetics: Fair

Persistence: 2-4 weeks

Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caragana rosea **Variety:**
Cultivar: **Family:** Fabaceae **Tsnum:** 00054
Common Name: Red Pea Shrub
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** E7,E8

Observation Date of Plant: 9/14/2020
Plant Habit: Broad oval
Plant Height: 3-4 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Never has been very attractive even with flowers. One plant has poor vigor from unknown cause.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow with blush of maroon

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Comments on Flowers: Maroon in color on outside of throat. Not enough flowers or color to be as showy as the typical Caragana.

Fall Color or Fruit: Fall color

Date of observation: 10/10/2004

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carpinus betulus **Variety:**
Cultivar: **Family:** Betulaceae **Tsnum:** 04036
Common Name: European Hornbeam
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** F5

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval, multistem
Plant Height: 15-20 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit deformed by earlier canker and subsequent pruning but looking normal now.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carpinus betulus **Variety:**
Cultivar: JFS-KW1CB **Family:** Betulaceae **Tsnum:** 16021
Common Name: Emerald Avenue Hornbeam
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** F4, HG

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval, narrow
Plant Height: 12-17 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/1/2021
Aesthetics: Very good **Persistence:** 1-2 weeks
Fall Color: Golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carpinus betulus **Variety:**
Cultivar: JFS-KW6 **Family:** Betulaceae **Tsnum:** 16022
Common Name: Native Flame American Hornbeam
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F4

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2020. The top half of plant is getting a little floppy for unknown reason.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carpinus betulus **Variety:**
Cultivar: Pendula **Family:** Betulaceae **Tsnum:** 03003
Common Name: Weeping European Hornbeam
Source: Carlton Plants **Quantity observed:** 2 **Location:** D5

Observation Date of Plant: 9/15/2021
Plant Habit: Broad oval, slightly weeping
Plant Height: 10-14 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, height confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy died back 50% during first winter when temperature reached -16F. No significant dieback since then. Doesn't seem to be weeping much - especially as it gets older.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carpinus caroliniana **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 87098
Common Name: American Hornbeam
Source: Carlton Plants **Quantity observed:** 3 **Location:** E5, F5

Observation Date of Plant: 9/16/2021
Plant Habit: Round
Plant Height: 15-20 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Showy, interesting shape
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Nice shape and controlled growth. Growth habit may be wider if not crowded by neighboring plants.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Mostly yellow, some red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carpinus caroliniana **Variety:**
Cultivar: CCSQU **Family:** Betulaceae **Tsnum:** 12030
Common Name: Palisade American Hornbeam
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F4

Observation Date of Plant: 9/20/2021

Plant Habit: Columnar

Plant Height: 8-12 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Yellow, orange, red

Date of observation: 11/1/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carpinus caroliniana **Variety:**
Cultivar: Jn Select **Family:** Betulaceae **Tsnum:** 06039
Common Name: American Hornbeam
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** F5

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval
Plant Height: 7-10 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Crowded by nearby plants

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. May grow wider if not crowded. Top eight inches of central leader damaged so growth habit is affected.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/25/2015

Aesthetics: Very good

Persistence: 1-2 weeks

Fall Color: Yellow with rosy orange blush

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carpinus caroliniana **Variety:**
Cultivar: Uxbridge **Family:** Betulaceae **Tsnum:** 17027
Common Name: Rising Fire American Hornbeam
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F4

Observation Date of Plant: 9/20/2021

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant: Planted in 2019. Vigor seems a little low.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carya glabra **Variety:**
Cultivar: **Family:** Juglandaceae **Tsnum:** 08129
Common Name: Pignut Hickory
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** C4, B5

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Shade tree, wildlife

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012. One of two damaged by snow and lost central leader. May need to be removed.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Carya laciniosa **Variety:**
Cultivar: **Family:** Juglandaceae **Tsnum:** 09055
Common Name: Shellbark Hickory
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** C5, SC11-04

Observation Date of Plant: 9/14/2020
Plant Habit: Young, undefined
Plant Height: 6-7 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2013.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caryopteris incana **Variety:** -0-
Cultivar: -0- **Family:** Verbenaceae **Tsnum:** 83340
Common Name: Bluebeard
Source: Inter-State Nursery **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 10/5/2020
Plant Habit: Broad oval
Plant Height: 2-3 ft.
Plant Width: 8-10 ft
Current Seasons Growth: 18-24 in.

Foliage Color: Gray/green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Green turning to tan
Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2009. Looks great on very minimal irrigation.

Observation Date of Flowers: 8/25/2006

Flower Color: Lavender/blue

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caryopteris incana **Variety:**
Cultivar: Sunshine Blue **Family:** Lamiaceae **Tsnum:** 05106
Common Name: Sunshine Blue Bluebeard
Source: Proven Winners **Quantity observed:** 1 **Location:** E5

Observation Date of Plant: 9/28/2020

Plant Habit: Spreading

Plant Height: 3-5 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Seems to be colonizing area via unwanted seedlings.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caryopteris x clandonensis **Variety:**
Cultivar: Blue Knoll **Family:** Verbenaceae **Tsnum:** 98050
Common Name: Blue Knoll Bluebeard
Source: Sjulín Nurseries **Quantity observed:** 1 **Location:** G6

Observation Date of Plant: 10/7/2020

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green with gray underside

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Fruit Present: Moderate amount

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor may improve if not crowded by nearby plants.

Observation Date of Flowers: 8/25/2006

Flower Color: Lavender/blue

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caryopteris x clandonensis **Variety:** -0-
Cultivar: Dark Knight **Family:** Verbenaceae **Tsnum:** 88156
Common Name: Dark Knight Blue-mist Spiraea
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 9/14/2020
Plant Habit: Broad oval
Plant Height: 2-4 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Gray/green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2009.

Observation Date of Flowers: 8/29/2016

Flower Color: Lavender/dark blue

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Caryopteris x clandonensis **Variety:**
Cultivar: Worcester Gold **Family:** Verbenaceae **Tsnum:** 97068
Common Name: Worcester Gold Bluebeard
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** G6

Observation Date of Plant: 10/7/2020

Plant Habit: Broad oval, mounding

Plant Height: 3 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Yellow/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Doing well for being on the edge of the arboretum.

Observation Date of Flowers: 8/25/2006

Flower Color: Lavender/blue

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Catalpa ovata **Variety:** -0-
Cultivar: -0- **Family:** Bignoniaceae **Tsnum:** 78147
Common Name: Chinese Catalpa
Source: Western Evergreen Nursery **Quantity observed:** 1 **Location:** E1

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval to irregular
Plant Height: 40-45 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large/shade tree

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is smaller on this tree than on Catalpa speciosa. Would probably be wider if it had more space.

Observation Date of Flowers: 6/19/2006

Flower Color: Light Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Catalpa ovata **Variety:** -0-
Cultivar: -0- **Family:** Bignoniaceae **Tsnum:** 85024
Common Name: Chinese Catalpa
Source: US Nat'l Arboretum **Quantity observed:** 2 **Location:** E1

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 32-45 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, large/shade tree

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Green turning to tan
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Canopy on one of two trees is a little one sided due to crowding.

Observation Date of Flowers: 6/26/2006
Flower Color: Light Yellow
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Catalpa speciosa **Variety:** -0-
Cultivar: -0- **Family:** Bignoniaceae **Tsnum:** 78148
Common Name: Northern Catalpa
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** E1

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large/shade tree

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Green turning to tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/19/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 50-60%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/20/2004
Aesthetics: Fair **Persistence:** 2-4 weeks
Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Catalpa speciosa **Variety:**
Cultivar: Hiawatha 2 **Family:** Bignoniaceae **Tsnum:** 15064
Common Name: Heartland Catalpa
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC-11-9, HG

Observation Date of Plant: 8/17/2020
Plant Habit: Upright oval or irregular
Plant Height: 8-12 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2016 and another in 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Catalpa x erubescens **Variety:** japonica
Cultivar: -0- **Family:** Bignoniaceae **Tsnum:** 81298
Common Name: Japanese Hybrid Catalpa
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** D1

Observation Date of Plant: 9/15/2021

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large/shade tree

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 6/19/2006

Flower Color: Light Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celastrus scandens **Variety:**
Cultivar: Ames 27297 **Family:** Celastraceae **Tsnum:** 08065
Common Name: American Bittersweet
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 9/14/2020

Plant Habit: Vine

Plant Height: 8-10 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Trellis/screen

Overall Plant Health: Fair

Fruit Present: few

Fruit Color: Orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Lacks vigor compared to C. 'Autumn Revolution' from Bailey Nurseries. Moved in fall of 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celastrus scandens **Variety:**
Cultivar: Bailumn **Family:** Celastraceae **Tsnum:** 12059
Common Name: Autumn Revolution American Bittersweet
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 9/14/2020

Plant Habit: Vine

Plant Height: 8-10 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Trellis/screen

Overall Plant Health: Good

Fruit Present: Very showy, abundant

Fruit Color: Orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in fall of 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celtis **Variety:**
Cultivar: JFS-KSU1 **Family:** Ulmaceae **Tsnum:** 09014
Common Name: Prairie Sentinel Hackberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** G6

Observation Date of Plant: 10/7/2020

Plant Habit: Vase

Plant Height: 12-18 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 10-20 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests: Nipple gall

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Snow load from 9.8.20 storm caused some deformity

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celtis **Variety:**
Cultivar: Magnifica **Family:** Ulmaceae **Tsnum:** 06033
Common Name: Magnifica Hackberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC12-12, G6

Observation Date of Plant: 8/18/2020
Plant Habit: Upright oval
Plant Height: 10-14 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Street tree for urban or residential areas

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests: Nipple gall

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems: Irrigation is variable at edge of arboretum and causes some stress.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Light yellow

Date of observation: 9/23/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celtis laevigata **Variety:**
Cultivar: **Family:** Ulmaceae **Tsnum:** 04044
Common Name: Sugar Hackberry
Source: Schichtel's Nursery **Quantity observed:** 3 **Location:** SC12-12, 13, G6

Observation Date of Plant: 8/18/2020
Plant Habit: Upright oval or irregular
Plant Height: 12-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, shade tree

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Tan to rich mahogany brown
Insect Pests: Nipple gall
Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Branching habit goes every direction and they seem to lack a central leader.

Recommended: Marginal

Comments on plant: Planted in arboretum in 2004. About half of canopy died back on one tree in 2010. Other trees look okay except for leggy growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Light yellow

Date of observation: 10/5/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celtis occidentalis **Variety:**
Cultivar: **Family:** Ulmaceae **Tsnum:** 97060
Common Name: Hackberry
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** G4, SC12-15

Observation Date of Plant: 8/24/2020
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 1 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. One of two trees has less vigor and is only 14 ft. tall and slightly chlorotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celtis occidentalis **Variety:** -0-
Cultivar: -0- **Family:** Ulmaceae **Tsnum:** 78029
Common Name: Common Hackberry
Source: Colorado Nurseryman **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 10/5/2020

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 18-25 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Street tree for urban or residential areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests: Galls on foliage

Pest Severity: Moderate aesthetic problem.

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: fair to poor yellow

Date of observation: 10/4/2004

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celtis occidentalis **Variety:**
Cultivar: Chicagoland **Family:** Ulmaceae **Tsnum:** 12022
Common Name: Chicagoland Common Hackberry
Source: Carlton Plants **Quantity observed:** 2 **Location:** SC11-07, 11-09

Observation Date of Plant: 8/20/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, street tree

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests: Galls

Pest Severity: Minor injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2014.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celtis occidentalis **Variety:**
Cultivar: JFS-KSU1 **Family:** Cannabaceae **Tsnum:** 14019
Common Name: Prairie Sentinel Hackberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** G5

Observation Date of Plant: 9/17/2021

Plant Habit: Vase

Plant Height: 8-12 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, confined areas, street tree

Overall Plant Health: Good

Fruit Present: none

Fruit Color:

Insect Pests: Gall

Pest Severity: Minor injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celtis occidentalis **Variety:**
Cultivar: Ultra **Family:** Ulmaceae **Tsnum:** 11026
Common Name: Ultra Hackberry
Source: Carlton Plants **Quantity observed:** 1 **Location:** SC11-03

Observation Date of Plant: 8/20/2020
Plant Habit: Upright oval
Plant Height: 12-16 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 20-30 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, residential street

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2014. Almost no nipple galls which is a big aesthetic advantage. Vigor is much better than last evaluation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Celtis reticulata **Variety:**
Cultivar: Ames 8439 **Family:** Betulaceae **Tsnum:** 07088
Common Name: Ames 8439 Hackberry
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** G5, G6

Observation Date of Plant: 9/17/2021
Plant Habit: Irregular, leggy, spreading
Plant Height: 6-10 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 36-48 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Gall
Pest Severity: Minor injury

Plant Disease:
Disease Severity:

Cultural Problems:
Nuisances:

Recommended: No

Comments on plant: Poor growth habit with no central leader and just looks floppy. Spreading way too wide for almost any landscape.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cephalanthus occidentalis **Variety:**
Cultivar: **Family:** Rubiaceae **Tsnum:** 18021
Common Name: Buttonbush
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Round to broad oval
Plant Height: 3-4 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cephalanthus occidentalis **Variety:**
Cultivar: **Family:** Rubiaceae **Tsnum:** 10115
Common Name: Common Buttonbush
Source: Plant Select DBG **Quantity observed:** 3 **Location:** E7, F7, F6

Observation Date of Plant: 9/29/2020
Plant Habit: Irregular
Plant Height: 6-9 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Moderate amount
Fruit Color: Green turning to rosey red
Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Foliage is attractive. Some had about 50% dieback during first winter but has done better given more time to establish. Fruit takes a long time to turn red and provides moderate interest. Growth habit isn't not very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercidiphyllum japonicum **Variety:**
Cultivar: **Family:** Cercidiphyllaceae **Tsnum:** 98075
Common Name: Katsuratree
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** E0

Observation Date of Plant: 9/16/2021

Plant Habit: Upright oval

Plant Height: 18-25 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2003. Foliage scent at leaf drop makes a very unique tree for the fall.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair to good

Fall Color: Yellow

Date of observation: 10/26/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercidiphyllum japonicum **Variety:** -0-
Cultivar: -0- **Family:** Cercidiphyllaceae **Tsnum:** 81304
Common Name: Katsura Tree
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** E1

Observation Date of Plant: 9/16/2021
Plant Habit: Narrow pyramidal or upright oval
Plant Height: 30-40 ft.
Plant Width: 20-30 ft
Current Seasons Growth: 10-15 in.

Foliage Color: Blue/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Leaves smell like toasted marshmallows or brown sugar right before they drop in the fall - very unique and pleasing.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2003

Aesthetics: Good **Persistence:** 1-2 weeks

Fall Color: golden yellow with red petioles

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercidiphyllum japonicum **Variety:**
Cultivar: Morioka Weeping **Family:** Cercidiphyllaceae **Tsnum:** 07040
Common Name: Morioka Weeping Katsura Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** D1

Observation Date of Plant: 9/15/2021

Plant Habit: Weeping

Plant Height: 7-8 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker - appears compartmentalized

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercidiphyllum japonicum **Variety:**
Cultivar: Rotfuchs **Family:** Cercidiphyllaceae **Tsnum:** 21015
Common Name: Red Fox Katsura Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** HG

Observation Date of Plant: 9/22/2021

Plant Habit: Columnar

Plant Height: 6-9 ft.

Plant Width: 2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green shades of red

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2021 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercis canadensis **Variety:**
Cultivar: Ames 27321 **Family:** Leguminosae **Tsnum:** 07089
Common Name: Ames 27321 Redbud
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/21/2020
Plant Habit: Round becoming broad oval
Plant Height: 9-14 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Appears to be hardy for this area.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercis canadensis **Variety:**
Cultivar: Appalachian Red **Family:** Fabaceae **Tsnum:** 15054
Common Name: Appalachian Red Redbud
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 8/10/2021

Plant Habit: Round to broad oval

Plant Height: 8-11 ft.

Plant Width: 8-11 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercis canadensis **Variety:**
Cultivar: Hearts of Gold PP17740 **Family:** Fabaceae **Tsnum:** 12063
Common Name: Hearts of Gold Eastern Redbud
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/21/2020

Plant Habit: Round

Plant Height: 7-9 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 20-30 in.

Foliage Color: New growth is yellow and then matures to mostly a light or medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: suckering

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercis canadensis **Variety:**
Cultivar: Pink Heartbreaker **Family:** Fabaceae **Tsnum:** 19022
Common Name: Pink Heartbreaker Redbud
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C8, Hg

Observation Date of Plant: 9/14/2021
Plant Habit: Young, undefined
Plant Height: 5-7 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, confined areas

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2020. Too soon to recommend. One tree had about 25% dieback last winter.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercis canadensis **Variety:**
Cultivar: Pink Pom Poms **Family:** Fabaceae **Tsnum:** 18004
Common Name: Pink Pom Poms Eastern Redbud
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C8, HG

Observation Date of Plant: 9/14/2021

Plant Habit: Young, undefined

Plant Height: 8-10 ft

Plant Width: 8-10 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercis canadensis **Variety:**
Cultivar: Royal White **Family:** Fabaceae **Tsnum:** 12023
Common Name: Royal White Eastern Redbud
Source: Carlton Plants **Quantity observed:** 2 **Location:** C5, C6, D5

Observation Date of Plant: 8/31/2020

Plant Habit: Round

Plant Height: 8-12 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercis canadensis **Variety:**
Cultivar: Ruby Falls **Family:** Fabaceae **Tsnum:** 18005
Common Name: Ruby Falls Redbud
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C8, HG

Observation Date of Plant: 10/8/2020
Plant Habit: Weeping
Plant Height: 6 ft
Plant Width: 3-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2018 and another in 2020.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercis chinensis **Variety:**
Cultivar: Avondale **Family:** Fabaceae **Tsnum:** 16005
Common Name: Avondale Redbud
Source: Monrovia Growers **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 8/31/2020
Plant Habit: Young undefined
Plant Height: 6-8 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, low clearance areas

Overall Plant Health: Good
Fruit Present: none
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2016.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/8/2016
Aesthetics: fair **Persistence:** 1-2 weeks
Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercocarpus brevifolius **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 97260
Common Name: Mountain Mahogany
Source: Fort Collins Nursery **Quantity observed:** 4 **Location:** C0, B0, G0

Observation Date of Plant: 9/9/2021

Plant Habit: Broad oval, irregular

Plant Height: 6-10 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Grey - not showy

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Appears to be semi-evergreen. One plant is much smaller from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercocarpus intricatus **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 14101
Common Name: Little Leaf Mountain Mahogany
Source: Garden and Home Show **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Young, undefined
Plant Height: 2 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border, xeriscape

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in Fall 2016. Canopy lost about 20% due to breakage from unknown cause but still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercocarpus ledifolius **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82184
Common Name: Curleaf Mountain Mahogany
Source: Fort Collins Nursery **Quantity observed:** 4 **Location:** B0, G1

Observation Date of Plant: 9/9/2021

Plant Habit: Irregular, upright

Plant Height: 10 - 15 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, native planting, xeriscape, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Bark is attractive silver-gray on a mature plant when pruned into a small tree.
Foliage is evergreen.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cercocarpus montanus **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78019
Common Name: Mountain Mahoghany
Source: Los Lunas Plant Material **Quantity observed:** 3 **Location:** B0

Observation Date of Plant: 9/9/2021
Plant Habit: Irregular to broad oval
Plant Height: 7-9 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, native planting, xeriscape, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Looks inferior to C. ledifolius. Growth habit may have been somewhat flattened out by spring snow in 2003. Looks a little leggy. Canopy looks thin. One of three is in decline. Some significant leaf curling from unknown cause but looks a little

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Chaenomeles japonica **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82241
Common Name: Japanese Flowering Quince
Source: American Nursery Product/Mi **Quantity observed:** 2 **Location:** B1

Observation Date of Plant: 9/9/2021

Plant Habit: Broad oval

Plant Height: 8 - 12 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two was rejuvenated in 2011. Both plants have mild chlorosis due to unknown cause.

Observation Date of Flowers: 4/26/2006

Flower Color: Red/Pink

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Comments on Flowers: Seems to be fewer than average flowers this year for unknown reason.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Chaenomeles japonica **Variety:**
Cultivar: Cheyenne **Family:** Rosaceae **Tsnum:** 13123
Common Name: Cheyenne Flowering Quince
Source: Garden and Home Show **Quantity observed:** 3 **Location:** B0, B1

Observation Date of Plant: 9/9/2021

Plant Habit: Round to broad oval

Plant Height: 4-5 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Chamaebatiaria millefolium **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 97267
Common Name: Fernbush
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** G1

Observation Date of Plant: 9/17/2021
Plant Habit: Broad oval
Plant Height: 4-5 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium to light green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, xeriscape

Overall Plant Health: Good
Fruit Present: Not important
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Foliage has a very unique shape and fragrant when bruised. Old flowers persist and can become unattractive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Chionanthus retusus **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 05011
Common Name: Chinese Fringe Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** A8

Observation Date of Plant: 9/8/2021
Plant Habit: Upright irregular
Plant Height: 8-13 ft.
Plant Width: 9-14 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Dark green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2005. One of two had central leader broken from unknown cause and is more multistem. Seems to tolerate shade well.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Chioranthus virginicus **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 89163
Common Name: Old Man's Beard
Source: Schichtel's Nursery **Quantity observed:** 2 **Location:** A7

Observation Date of Plant: 9/8/2021

Plant Habit: Upright

Plant Height: 8-10 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: One of two plants have much weaker growth. May be in too much shade.

Observation Date of Flowers: 6/2/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers: Very delicate looking.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cladrastis kentukea **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 86019
Common Name: Yellowwood
Source: Minnesota Landscape Arboretum **Quantity observed:** 2 **Location:** D7

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: Moderate amount, not attractive
Fruit Color: Tan
Insect Pests:

Pest Severity:
Plant Disease: Canker on one of two trees
Disease Severity: Moderate injury

Cultural Problems:
Nuisances:

Recommended: Yes
Comments on plant: A nice looking tree that is under-used for this area.

Observation Date of Flowers: 5/24/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-100%
Bloom Stage: Flowers open
Comments on Flowers: Long pendulous flowers are delicate and very showy.

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cladrastis kentukea **Variety:**
Cultivar: Perkins Pink **Family:** Fabaceae **Tsnum:** 08023
Common Name: Pink Flowering Yellowwood
Source: Carlton Plants **Quantity observed:** 1 **Location:** D6

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 15-25 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cladrastis lutea **Variety:**
Cultivar: Perkins Pink **Family:** Leguminosae **Tsnum:** 02023
Common Name: Pink Flowering Yellowwood
Source: Carlton Plants **Quantity observed:** 1 **Location:** SC9-5

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval becoming irregular
Plant Height: 8-12 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Severely vandalized in 2005 - lost 50%-70% of canopy. Survivor is deformed by canker but has good vigor in 2020 although it is growing to one side and developing a severe lean.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/11/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Clematis **Variety:**
Cultivar: Diamantina **Family:** Ranunculaceae **Tsnum:** 13034
Common Name: Diamantina Clematis
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** CFA

Observation Date of Plant: 9/14/2020

Plant Habit: Vine

Plant Height: 3-4 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Trellis/screen

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Moved in fall of 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Clethra alnifolia **Variety:**
Cultivar: Ruby Spice **Family:** Clethraceae **Tsnum:** 19049
Common Name: Sweet Pepperbush
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Young, undefined
Plant Height: 3-4 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 3-4 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus alba **Variety:** -0-
Cultivar: Sibirica **Family:** Cornaceae **Tsnum:** 93087
Common Name: Siberian Dogwood
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** AA12

Observation Date of Plant: 8/26/2020
Plant Habit: Irregular to broad oval
Plant Height: 3-4 ft.
Plant Width: 4-6 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2017. Appears to have been browsed by deer in 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/19/2004
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow/cream

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus alternifolia **Variety:** -0-
Cultivar: -0- **Family:** Cornaceae **Tsnum:** 81151
Common Name: Pagoda Dogwood
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** A13, A14

Observation Date of Plant: 8/28/2020
Plant Habit: Broad oval or round
Plant Height: 8-10 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Dark blue

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Branching habit is very interesting after the leaves drop. One of two plants had canker affecting about 10% of canopy top and decreasing overall appearance.

Observation Date of Flowers: 5/31/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-85%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/6/2008

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Mostly dark purple/red with some rose/re

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus alternifolia **Variety:**
Cultivar: W. Stackman **Family:** Cornaceae **Tsnum:** 08123
Common Name: Golden Shadows Dogwood
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **Location:** AA11

Observation Date of Plant: 8/27/2020
Plant Habit: Upright, irregular
Plant Height: 5-7 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Variegated, medium green and white
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: At edge of arboretum where irrigation is more difficult.

Nuisances:

Recommended: Marginal

Comments on plant: May not be getting enough irrigation. Canopy is very thin. Planted in 2009.
Growth habit is leggy but foliage is very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus amomum obliqua **Variety:**
Cultivar: **Family:** Cornaceae **Tsnum:** 98066
Common Name: Pale Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** A11, AA12

Observation Date of Plant: 8/26/2020
Plant Habit: Broad oval
Plant Height: 5-8 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Green

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two plants is in part shade and only looks fair.

Observation Date of Flowers: 6/5/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus amomum **Variety:** -0-
Cultivar: -0- **Family:** Cornaceae **Tsnum:** 78010
Common Name: Silky Dogwood
Source: Rose Lake Plant Material **Quantity observed:** 2 **Location:** A14

Observation Date of Plant: 9/14/2020
Plant Habit: Broad oval
Plant Height: 7-9 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good
Fruit Present: Few fruit
Fruit Color: Dark blue
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.
Nuisances:
Recommended: Yes
Comments on plant: One of two plants is in too much shade and only looks fair and is 1/3 the size of the other.

Observation Date of Flowers: 6/18/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus controversa **Variety:**
Cultivar: June Snow **Family:** Cornaceae **Tsnum:** 03017
Common Name: June Snow Dogwood
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 9/14/2020
Plant Habit: Broad oval
Plant Height: 10-15 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Green turning to black/purple
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate - pruned out 15-20% of canopy on one tree
Cultural Problems: Moved in 2016 due to unavoidable construction so vigor is lower in 2017 and 201
Nuisances:
Recommended: Yes
Comments on plant: Nice growth habit, structure. New foliage emerges in shapes similar to tongues of fire and is very interesting by itself. Tolerant of drier conditions on edge of arboretum. Fall color was dark red on half of foliage and contrasted nicely with

Observation Date of Flowers: 5/22/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 70-90%
Bloom Stage: Flowers open
Comments on Flowers: Flowers accentuate branching structure.

Fall Color or Fruit: Fall color **Date of observation:** 9/18/2007
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Dark red/maroon

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus drummondii **Variety:** -0-
Cultivar: -0- **Family:** Cornaceae **Tsnum:** 88109
Common Name: Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** AA13, A13

Observation Date of Plant: 8/28/2020
Plant Habit: Broad oval
Plant Height: 10-14 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few
Fruit Color: White
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: 1 of 3 plants is getting shaded out by neighboring plants
Nuisances:
Recommended: Yes
Comments on plant: Would look better if they had more space.

Observation Date of Flowers: 6/19/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus drumondii **Variety:**
Cultivar: **Family:** Cornaceae **Tsnum:** 03150
Common Name: Dogwood
Source: Texas **Quantity observed:** 1 **Location:** AA13

Observation Date of Plant: 8/28/2020
Plant Habit: Upright oval
Plant Height: 6-8ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: White
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems: Planted at edge of arboretum where irrigation is less uniform.

Nuisances:

Recommended: Marginal

Comments on plant: Not very bushy - would look better in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus hesseyii **Variety:**
Cultivar: Golden Glow **Family:** Cornaceae **Tsnum:** 08126
Common Name: Golden Glow Dogwood
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **Location:** AA11

Observation Date of Plant: 8/27/2020
Plant Habit: Round becoming broad oval
Plant Height: 5-7 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Light green with a shade of yellow
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Blue shades on white
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2009.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus mas **Variety:**
Cultivar: 25499 **Family:** Cornaceae **Tsnum:** 03025
Common Name: Cornelian Cherry Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** B14

Observation Date of Plant: 8/31/2020
Plant Habit: Upright, irregular
Plant Height: 5-7 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Two of three plants look healthy but maybe in too much shade to set fruit. Third plant appears to have died to ground from canker but returning from base with new shoots. None have a very attractive growth habit

Observation Date of Flowers: 3/18/2012

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: No flowers in 2012.

% of Flower Coverage: No flowers in 2012.

Bloom Stage: No flowers in 2012.

Comments on Flowers: No flowers in 2012.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus mas **Variety:** -0-
Cultivar: Golden Glory **Family:** Cornaceae **Tsnum:** 86153
Common Name: Golden Glory Corneliancherry Dogwood
Source: Synnestvedt Nursery **Quantity observed:** 3 **Location:** B14, A14

Observation Date of Plant: 8/28/2020
Plant Habit: Round becoming broad oval
Plant Height: 8-10 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good to fair

Fruit Present: Few fruit

Fruit Color: Bright red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three are getting too much shade from surrounding plants which is reducing vigor and height.

Observation Date of Flowers: 3/21/2013

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers: Plants in shade have few flowers.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus mas **Variety:**
Cultivar: JFS PN4Legacy **Family:** Cornaceae **Tsnum:** 19023
Common Name: Saffron Sentinel™ Cornelian Cherry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** HG

Observation Date of Plant: 10/8/2020
Plant Habit: Young, undefined
Plant Height: 6 ft.
Plant Width: 2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus mas **Variety:**
Cultivar: JFS PN4Legacy **Family:** Cornaceae **Tsnum:** 18007
Common Name: Saffron Sentinel Dogwood
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** B13,14

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus officinalis **Variety:**
Cultivar: **Family:** Cornaceae **Tsnum:** 11001
Common Name: Japanese Cornelian Cherry
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** AA14

Observation Date of Plant: 8/28/2020

Plant Habit: Round

Plant Height: 4-5 ft

Plant Width: 4-6 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Inadequate irrigation at edge of arboretum where irrigation is less uniform.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Would probably look better with more irrigation and full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus pumila **Variety:**
Cultivar: **Family:** Cornaceae **Tsnum:** 98067
Common Name: Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** A11, AA12

Observation Date of Plant: 8/26/2020
Plant Habit: Broad oval to irregular
Plant Height: 4-7 ft.
Plant Width: 8-14 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: One of two plants looks very weak but second looks good.

Observation Date of Flowers: 6/19/2006

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers: No signs of flowers in 2006.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus racemosa **Variety:** -0-
Cultivar: -0- **Family:** Cornaceae **Tsnum:** 80398
Common Name: Gray Dogwood
Source: Unknown **Quantity observed:** 2 **Location:** A14

Observation Date of Plant: 8/28/2020
Plant Habit: Broad oval
Plant Height: 7-9 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Moderate amount
Fruit Color: Dark blue
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Use only in shrub form - tree form has severe suckering.

Observation Date of Flowers: 6/13/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-70%
Bloom Stage: Flowers open
Comments on Flowers: One of the showier dogwoods for this area.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus racemosa **Variety:** -0-
Cultivar: -0- **Family:** Cornaceae **Tsnum:** 91113
Common Name: Gray Dogwood
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** AA14

Observation Date of Plant: 8/28/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, small/confined areas

Overall Plant Health: Fair
Fruit Present: Abundant fruit
Fruit Color: White
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight to moderate
Cultural Problems:
Nuisances: Prolific suckering will colonize an area
Recommended: Marginal
Comments on plant: Tree form has severe suckering and needs frequent pruning. Better grown as a shrub.

Observation Date of Flowers: 6/5/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-70%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus racemosa **Variety:**
Cultivar: Emerald **Family:** Cornaceae **Tsnum:** 98078
Common Name: Snow Cap Gray Dogwood
Source: North Dakota State University **Quantity observed:** 2 **Location:** AA12

Observation Date of Plant: 9/14/2020

Plant Habit: Round

Plant Height: 5-7 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green, glossy

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Shrub border

Overall Plant Health: Good

Fruit Present: Abundant; stems on fruit are a beautiful cherry red that are showy even when the fruit

Fruit Color: Green becoming white

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Inadequate irrigation system.

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Impressive uniform growth habit but getting crowded by nearby plants so would probably be wider with more space.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus sanguinea **Variety:**
Cultivar: 25500 **Family:** Cornaceae **Tsnum:** 02032
Common Name: Blood-twig Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** AA13

Observation Date of Plant: 8/28/2020
Plant Habit: Upright oval to round
Plant Height: 8-12 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Black
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2003.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus sanguinea **Variety:**
Cultivar: 25501 **Family:** Cornaceae **Tsnum:** 02033
Common Name: Blood-twig Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** AA13

Observation Date of Plant: 8/28/2020
Plant Habit: Upright oval to round
Plant Height: 8-12 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Black

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. May be wider but crowding from nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus sericea **Variety:** sericea
Cultivar: Bud's Yellow **Family:** Cornaceae **Tsnum:** 99026
Common Name: Bud's Yellow Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** A11, AA12

Observation Date of Plant: 8/26/2020
Plant Habit: Broad oval
Plant Height: 4-6 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: White
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Plant in full sun looks much better than the two in part shade. Appears to have been browsed by deer this year.

Observation Date of Flowers: 5/15/2006

Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-60%
Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus sericea **Variety:** -0-
Cultivar: Cardinal **Family:** Cornaceae **Tsnum:** 87092
Common Name: Cardinal Redosier Dogwood
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** AA14

Observation Date of Plant: 8/28/2020
Plant Habit: Broad oval
Plant Height: 6 - 8 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: White
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Will colonize an area.
Recommended: Yes
Comments on plant: Rosy colored twigs are very attractive.

Observation Date of Flowers: 5/31/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus sericea **Variety:** -0-
Cultivar: Isanti **Family:** Cornaceae **Tsnum:** 80037
Common Name: Isanti Redosier Dogwood
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** A14

Observation Date of Plant: 8/28/2020
Plant Habit: Mounding to broad oval
Plant Height: 4-6 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium to dark green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Irrigation at edge of arboretum is non-uniform.
Nuisances:
Recommended: Yes
Comments on plant: Will colonize surrounding area if given the chance. Rejuvenated in 2016.

Observation Date of Flowers: 6/2/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus sericea sericea **Variety:**
Cultivar: Ruby **Family:** Cornaceae **Tsnum:** 97080
Common Name: Redosier Dogwood
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** A11

Observation Date of Plant: 8/26/2020
Plant Habit: Broad oval
Plant Height: 4-6 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Very few
Fruit Color: White
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Has a slight red blush to stems and twigs.

Observation Date of Flowers: 5/31/2006

Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cornus stolonifolia **Variety:**
Cultivar: Artic Fire **Family:** Cornaceae **Tsnum:** 05083
Common Name: Arctic Fire Dogwood
Source: Proven Winners **Quantity observed:** 1 **Location:** AA11

Observation Date of Plant: 8/26/2020
Plant Habit: Round
Plant Height: 5-7 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Compact growth habit is better than most Cornus.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Corylus americana **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 78149
Common Name: American Filbert
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** E5

Observation Date of Plant: 9/16/2021

Plant Habit: Round or broad oval

Plant Height: 20-25 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Shrub border, possibly a small multi-stem tree

Overall Plant Health: Fair

Fruit Present: Some but squirrels got to it earlier.

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Not a plant for most landscapes due to size. 15% of canopy is dead from canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Corylus americana **Variety:**
Cultivar: Sun Harvest **Family:** Betulaceae **Tsnum:** 10023
Common Name: Sun Harvest American Filbert
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** F5

Observation Date of Plant: 9/20/2021

Plant Habit: Round to broad oval

Plant Height: 3-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 24-36 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Green turning to tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Had significant dieback from sudden severe freeze November 2014.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red, yellow

Date of observation: 11/1/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Corylus avellana **Variety:**
Cultivar: Yamhill **Family:** Betulaceae **Tsnum:** 19030
Common Name: Yamhill Hazelnut
Source: Carlton Plants **Quantity observed:** 3 **Location:** HG, D5, E5

Observation Date of Plant: 9/15/2021
Plant Habit: Young, undefined
Plant Height: 6-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend. Trunk on one tree has a canker that has killed the top half of plant.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Corylus colurna **Variety:**
Cultivar: **Family:** Betulaceae **Tsnum:** 96134
Common Name: Turkish Filbert
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** F5

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 22-28 ft
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A very attractive tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/26/2017

Persistence: 1 week

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotinus coggygria **Variety:**
Cultivar: 69997 **Family:** Anacardiaceae **Tsnum:** 02034
Common Name: Smokebush
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** C4

Observation Date of Plant: 9/14/2021
Plant Habit: Irregular
Plant Height: 6-8 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. One plant damaged by snow and lost half of canopy in 2008. Both look a little leggy and would probably look better with full sun.

Observation Date of Flowers: 7/30/2007

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers: No sign of flowers in 2007 - may be in too much shade.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotinus coggygria **Variety:** -0-
Cultivar: Nordine Red **Family:** Anacardiaceae **Tsnum:** 81190
Common Name: Nordine Red Smokebush
Source: Inter-State Nursery **Quantity observed:** 2 **Location:** C5

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular

Plant Height: 10-12 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deformed some by snow load in 2009. The plant in full sun had a lot more flowering.

Observation Date of Flowers: 6/15/2007

Flower Color: Dark red

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-100%

Bloom Stage: Flowers open

Comments on Flowers: Flowers are a darker red and more numerous in full sun. Very showy and long lasting.

Fall Color or Fruit: Fall color

Date of observation: 10/28/2008

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Purple

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotinus coggygria **Variety:**
Cultivar: Pink Champagne **Family:** Anacardiaceae **Tsnum:** 98053
Common Name: Pink Champagne Smoke Bush
Source: Sjulín Nurseries **Quantity observed:** 1 **Location:** C5

Observation Date of Plant: 9/14/2021
Plant Habit: Irregular to broad oval
Plant Height: 2-3 ft.
Plant Width: 5-6 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/15/2007
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:

Comments on Flowers: No sign of flowers in 2007 - may be in too much shade.

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2003
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: orange, red, deep wine

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotinus coggygria **Variety:** -0-
Cultivar: Pink Princess **Family:** Anacardiaceae **Tsnum:** 81225
Common Name: Pink Princess Smokebush
Source: Smith Nursery Co. **Quantity observed:** 1 **Location:** C4

Observation Date of Plant: 9/14/2021
Plant Habit: Irregular
Plant Height: 6-8 ft.
Plant Width: 15 - 25 ft.
Current Seasons Growth: 20-30 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Getting very leggy over time. Starting to flop and take up a lot of space. May stay more compact in full sun.

Observation Date of Flowers: 6/15/2007

Flower Color: Light pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Comments on Flowers: Flowers are smaller and more compact than Cotinus 'Nordine Red' but are still showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotinus coggygria **Variety:** -0-
Cultivar: Purple Supreme **Family:** Anacardiaceae **Tsnum:** 81191
Common Name: Purple Supreme Smokebush
Source: Inter-State Nursery **Quantity observed:** 1 **Location:** C4

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular

Plant Height: 10-12 ft.

Plant Width: 8-14 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Purple/green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Does not get as purple when shaded. Getting leggy and would probably look better with pruning.

Observation Date of Flowers: 6/15/2007

Flower Color: Purple/red

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-40%

Bloom Stage: Flowers open

Comments on Flowers: Relatively few flowers and only moderately showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotinus obovatus **Variety:**
Cultivar: **Family:** Anacardiaceae **Tsnum:** 94043
Common Name: American Smoketree
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** C4

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 25-35
Plant Width: 15-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium blue/green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This specimen is growing a little one sided due to neighboring tree. Foliage shape is attractive and bark is interesting and looks a little like dripping wax.

Observation Date of Flowers: 6/15/2007

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers: No sign of flowers in 2007 - never has been very showy compared to the bush forms.

Fall Color or Fruit: Fall color

Date of observation: 10/6/2008

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Yellow, some light red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotoneaster apiculatus **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 12018
Common Name: Cranberry Cotoneaster
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** A2

Observation Date of Plant: 9/6/2021

Plant Habit: Spreading

Plant Height: 1 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably have better health and size if not shaded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotoneaster ignavus **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 00156
Common Name: Sezchuan Fire Cotoneaster
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021

Plant Habit: Upright oval to round

Plant Height: 5-7 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needs a little pruning to keep pleasing shape. Vigor would be better if not crowded by nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotoneaster ignavus **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78151
Common Name: Cotoneaster
Source: Unknown **Quantity observed:** 1 **Location:** A2, B1

Observation Date of Plant: 9/9/2021
Plant Habit: Round to broad oval
Plant Height: 10-14 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Dark red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotoneaster integerrimus **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 87093
Common Name: European Cotoneaster
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** A2, B1

Observation Date of Plant: 9/6/2021
Plant Habit: Broad oval
Plant Height: 8-12 ft.
Plant Width: 18-24 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/7/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotoneaster integerrimus **Variety:** -0-
Cultivar: Centennial **Family:** Rosaceae **Tsnum:** 89153
Common Name: Cotoneaster
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** A2, B2

Observation Date of Plant: 9/6/2021
Plant Habit: Round to broad oval
Plant Height: 9-13 ft.
Plant Width: 12-16 ft
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Appearance would probably improve with full sun but starting to get shaded out from nearby trees.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers: Tiny flowers.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotoneaster lucidus **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 07073
Common Name: Peking Cotoneaster
Source: Carlton Plants **Quantity observed:** 3 **Location:** A1

Observation Date of Plant: 9/6/2021
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Black

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. One of three is in shade and is half as big as the other two.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotoneaster moupinensis **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78152
Common Name: Cotoneaster
Source: USDA/NC-7 **Quantity observed:** 1 **Location:** A2

Observation Date of Plant: 9/6/2021

Plant Habit: Broad oval

Plant Height: 6-8 ft

Plant Width: 10-15 ft.

Current Seasons Growth: 10-15 in

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, wildlife

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Dark purple/black

Insect Pests: Scale

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotoneaster racemiliflora soongoricus **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 97255
Common Name: Sungari Rockspray Cotoneaster
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** G2

Observation Date of Plant: 9/17/2021

Plant Habit: Irregular

Plant Height: 7-8 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 8-14 in

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair

Fruit Present: Few, showy

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit is a little leggy but may look better and have larger size if not crowded by neighboring plants.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 26-50%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2003

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: dark red, dark oranges

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cotoneaster shansiensis **Variety:**
Cultivar: Index Seminum 1241 **Family:** Rosaceae **Tsnum:** 08066
Common Name: Seminum Cotoneaster
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Broad oval or irregular
Plant Height: 4-5.5 ft.
Plant Width: 5-9 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Abundant, small, showy
Fruit Color: Red/orange
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2012. Growth habit is not very uniform but may look better as it matures.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus **Variety:** -0-
Cultivar: Crusader **Family:** Rosaceae **Tsnum:** 91133
Common Name: Crusader Hawthorne
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021
Plant Habit: Round to broad oval
Plant Height: 10-12 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Abundant amount of fruit, showy
Fruit Color: Red
Insect Pests: Mealy bugs
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Severe mealy bug problem in past but was treated with Safari and looks much better since 2013.

Observation Date of Flowers: 5/24/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/13/2017
Aesthetics: Fair to good **Persistence:** 1-2 weeks
Fall Color: Golden yellow, some red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus ambigua **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 11114
Common Name: Russian Hawthorn
Source: Garden and Home Show **Quantity observed:** 1 **Location:** G3

Observation Date of Plant: 9/17/2021

Plant Habit: Round

Plant Height: 10-14 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas, barrier plant

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus ambigua **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 90034
Common Name: Russian Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 3 **Location:** A2

Observation Date of Plant: 9/6/2021

Plant Habit: Round to broad oval

Plant Height: 12-18 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Red

Insect Pests: Mealy bugs

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is attractive, dark red and shiny. Foliage is attractive and more finely cut than most Crataegus. Some inner branches getting shaded out.

Observation Date of Flowers: 5/17/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus arnoldiana **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82189
Common Name: Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/8/2021
Plant Habit: Irregular to broad oval, multistemmed
Plant Height: 18-25 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, height restricted areas

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Rosy red
Insect Pests: Mealy bugs
Pest Severity: Slight injury
Plant Disease: Sooty mold, rust
Disease Severity: Slight injury
Cultural Problems:
Nuisances: Moderate suckering
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/2/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/11/2017
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus crugalli **Variety:** inermis
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 84199
Common Name: Thornless Cockspur Hawthorn
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** A1

Observation Date of Plant: 9/6/2021
Plant Habit: Round or possibly pyramidal
Plant Height: 15-20 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Few
Fruit Color: Matures to red
Insect Pests: Mealy bugs
Pest Severity: Slight injury

Plant Disease:
Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very horizontal branching habit. Glossy foliage. Looks great on the side with more sun but is a little thin in the shaded areas.

Observation Date of Flowers: 5/24/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus crus-galli **Variety:** inermis
Cultivar: Cruzam **Family:** Rosaceae **Tsnum:** 94044
Common Name: Crusader Hawthorn
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** SC8-9, A3

Observation Date of Plant: 9/6/2021

Plant Habit: Broad spreading

Plant Height: 7 - 10 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: Abundant amount of fruit, very showy

Fruit Color: Red

Insect Pests: Mealy bugs

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: One tree moved Spring of 2003.

Observation Date of Flowers: 5/24/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow, orange, red

Date of observation: 10/22/2018

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus douglasii **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 90035
Common Name: Black Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** A2

Observation Date of Plant: 9/6/2021
Plant Habit: Round becoming irregular
Plant Height: 8-12 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 5-10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Red
Insect Pests: Mealy bugs, aphids
Pest Severity: Moderate injury
Plant Disease: Rust
Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Cherry red fruit is showy. Would probably look better with full sun but getting shaded out by nearby trees.

Observation Date of Flowers: 5/17/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 15-20%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus laevigata **Variety:** -0-
Cultivar: Crimson Cloud **Family:** Rosaceae **Tsnum:** 78155
Common Name: Crimson Cloud English Hawthorn
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Upright oval to irregular
Plant Height: 20-25 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good
Fruit Present: Moderate fruit
Fruit Color: Red, showy
Insect Pests: Mealy bugs
Pest Severity: Slight injury
Plant Disease: Sooty mold, rust
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/17/2006
Flower Color: Red
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus laevigata **Variety:** -0-
Cultivar: Paul's Scarlet **Family:** Rosaceae **Tsnum:** 78213
Common Name: Paul's Scarlet English Hawthorn
Source: -0- **Quantity observed:** 1 **Location:** A1

Observation Date of Plant: 10/1/2020
Plant Habit: Upright oval or irregular
Plant Height: 20-25 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 1 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, wildlife

Overall Plant Health: Fair to poor
Fruit Present: Few fruit
Fruit Color: Red
Insect Pests: Mealy bugs
Pest Severity: Moderate injury

Plant Disease:
Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Tree is in decline due to mealy bugs and low vigor over the past few years.

Observation Date of Flowers: 5/24/2006

Flower Color: Red

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus lavallei **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 95012
Common Name: Lavelle Hawthorn
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** SC8-11

Observation Date of Plant: 8/25/2020

Plant Habit: Round

Plant Height: 10-14 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Just turning orange in October.

Insect Pests: Mealy bugs

Pest Severity: Slight injury

Plant Disease: Rust

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is slow to turn color. Wind broke a branch affecting about 15% of canopy.

Observation Date of Flowers: 5/24/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-75%

Bloom Stage: Flowers open

Comments on Flowers: Old, withered fruit detracts from flowers.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus monogyna **Variety:** -0-
Cultivar: Stricta **Family:** Rosaceae **Tsnum:** 84180
Common Name: Pyramidal Singleseed Hawthorn
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** A1

Observation Date of Plant: 9/6/2021

Plant Habit: Columnar

Plant Height: 15-20 ft.

Plant Width: 6-8 ft

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Poor

Fruit Present: Few fruit, severe mealy bug infestation is resulting in low vigor.

Fruit Color: Red

Insect Pests: Mealy bugs

Pest Severity: Severe injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Severe mealy bug infestation is resulting in low vigor and decline. Plants are near death but still limping along.

Observation Date of Flowers: 5/17/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair to good

Fall Color: Red, yellow

Date of observation: 10/14/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus oxyacantha **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 95052
Common Name: Crimson Cloud Hawthorn
Source: Femrite Nursery Company **Quantity observed:** 2 **Location:** SC8-12, 13

Observation Date of Plant: 8/25/2020
Plant Habit: Irregular or upright oval
Plant Height: 12-17 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Fruit Present: Moderate amount, showy
Fruit Color: Bright red
Insect Pests: Mealy bugs
Pest Severity: Slight injury
Plant Disease: Sooty mold
Disease Severity: Minor injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/24/2006
Flower Color: Red
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus pedicellata **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 77001
Common Name: Hawthorn
Source: Unknown **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Round to broad oval
Plant Height: 15 - 22 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Red/orange, showy
Insect Pests: Mealy bugs, aphids
Pest Severity: Slight injury
Plant Disease: Rust
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Moderate suckering.

Observation Date of Flowers: 4/29/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus phaenopyrum **Variety:** -0-
Cultivar: Cordata **Family:** Rosaceae **Tsnum:** 88058
Common Name: Cordata Washington Hawthorn
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** A1

Observation Date of Plant: 9/5/2021

Plant Habit: Upright oval to round

Plant Height: 15-23 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Abundant fruit

Fruit Color: Matures to red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus phaenopyrum **Variety:**
Cultivar: Westwood I **Family:** Rosaceae **Tsnum:** 01021
Common Name: Washington Lustre Hawthorn
Source: Carlton Plants **Quantity observed:** 2 **Location:** A0, SC8-8

Observation Date of Plant: 9/4/2021
Plant Habit: Upright oval to round
Plant Height: 12-17 ft.
Plant Width: 8-14 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, barrier plant

Overall Plant Health: Good
Fruit Present: Few fruit, small, attractive
Fruit Color: Red/orange, showy
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Appears resistant to mealy bugs that cause problems on many other Crataegus.
Very attractive growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/16/2003
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: red, dark red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus rivularis **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82190
Common Name: Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Upright oval
Plant Height: 15-22 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Barrier (thorns), Specimen, Small/confined areas

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Black, withered
Insect Pests: Mealy bugs
Pest Severity: Slight injury
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances: Severe suckering
Recommended: Marginal

Comments on plant: Some nearby trees removed in 2017 so may do better in future with less crowding.

Observation Date of Flowers: 5/3/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-90%
Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2003
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: yellow, red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus species **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82191
Common Name: Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Round to broad oval becoming irregular
Plant Height: 15-22 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Barrier (thorns), Specimen, Small/confined areas

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Moderate suckering
Recommended: Yes
Comments on plant: Foliage is relatively large. Canopy is becoming a little thin.

Observation Date of Flowers: 5/2/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus succulenta **Variety:** -0-
Cultivar: Macrantha **Family:** Rosaceae **Tsnum:** 82188
Common Name: Macrantha Fleshy Hawthorn
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021

Plant Habit: Broad oval

Plant Height: 10-15 ft.

Plant Width: 15-20 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Barrier (thorns), Specimen, Small/confined areas

Overall Plant Health: Good

Fruit Present: Few fruit, bright, glossy

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/17/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Crataegus x mordenensis **Variety:** -0-
Cultivar: Snowbird **Family:** Rosaceae **Tsnum:** 87084
Common Name: Snowbird Hawthorn
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** A1, A2

Observation Date of Plant: 9/6/2021

Plant Habit: Broad oval

Plant Height: 18-25 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to good

Fruit Present: Few fruit

Fruit Color: Red

Insect Pests: Mealy bugs

Pest Severity: Slight injury

Plant Disease: Rust

Disease Severity: Slight to moderate injury

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/8/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cupressus arizonica **Variety:**
Cultivar: **Family:** Cupressaceae **Tsnum:** 97266
Common Name: Arizona Cypress
Source: Fort Collins Nursery **Quantity observed:** 3 **Location:** G2

Observation Date of Plant: 9/17/2021

Plant Habit: Pyramidal

Plant Height: 20-30 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Blue/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cupressus bakerii **Variety:**
Cultivar: **Family:** Cupressaceae **Tsnum:** 16103
Common Name: Baker Cypress
Source: Plant Select **Quantity observed:** 1 **Location:** F14

Observation Date of Plant: 10/7/2020
Plant Habit: Young, undefined
Plant Height: 5-7 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeric areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Cytisus purgans **Variety:**
Cultivar: Spanish Gold **Family:** Fabaceae **Tsnum:** 16112
Common Name: Spanish Gold Broom
Source: Garden and Home Show **Quantity observed:** 1 **Location:** E7

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 3-4 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 8-14 in

Foliage Color: Green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted fall of 2016.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Deutzia **Variety:**
Cultivar: NCDX1 **Family:** Saxifragaceae **Tsnum:** 15107
Common Name: Yuki Snowflake Deutzia
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Round
Plant Height: 2 ft.
Plant Width: 2 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Seems to have unusually dense and compact growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Deutzia glabrata **Variety:**
Cultivar: 70067 **Family:** Hydrangeaceae **Tsnum:** 02035
Common Name: Deutzia
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Round to broad oval
Plant Height: 4-6 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2005.

Observation Date of Flowers: 5/22/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair to good
% of Flower Coverage: 20-30%
Bloom Stage: Flowers open
Comments on Flowers: Will probably have more flowers as it becomes further established.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Deutzia scabra **Variety:** -0-
Cultivar: Godsall **Family:** Saxifragaceae **Tsnum:** 89123
Common Name: Godsall Pink Deutzia
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** E8

Observation Date of Plant: 9/29/2020
Plant Habit: Upright oval becoming round
Plant Height: 7-9 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two plants were rejuvenated in 2007. The third was done in 2009.

Observation Date of Flowers: 7/2/2003

Flower Color: Pink/White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Deutzia scabra **Variety:** -0-
Cultivar: Pride of Rochester **Family:** Saxifragaceae **Tsnum:** 85169
Common Name: Pride of Rochester Fuzzy Deutzia
Source: Mount Arbor Nursery **Quantity observed:** 3 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval to round
Plant Height: 6-8 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: One plant died back ~75% during winter of 2007-08 and was rejuvenated in 2008. The other two were rejuvenated in 2009.

Observation Date of Flowers: 7/2/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Deutzia x lemoinei **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 83148
Common Name: Slender Deutzia
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Round to broad oval
Plant Height: 4-6 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Uniform growth habit.

Observation Date of Flowers: 5/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Deutzia x lemoinei **Variety:** -0-
Cultivar: Compactum **Family:** Saxifragaceae **Tsnum:** 82123
Common Name: Compact Lemoine Deutzia
Source: Mount Arbor Nursery **Quantity observed:** 3 **Location:** E6

Observation Date of Plant: 9/28/2020

Plant Habit: Round to broad oval

Plant Height: 6-8 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Seems to have much less tip dieback than most Deutzia.

Observation Date of Flowers: 5/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Diervilla lonicera **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 82228
Common Name: Bush Honeysuckle
Source: Cross Nurseries Inc. **Quantity observed:** 1 **Location:** A13

Observation Date of Plant: 8/26/2020
Plant Habit: Broad oval
Plant Height: 1-2 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little leggy. Vigor seems to be declining due to too much shade from nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Diospyros virginiana **Variety:** -0-
Cultivar: -0- **Family:** Ebenaceae **Tsnum:** 93061
Common Name: Common Persimmon
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/21/2020

Plant Habit: Upright oval

Plant Height: 15-20 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shade

Overall Plant Health: Poor

Fruit Present: Very few

Fruit Color: Soft orange/yellow

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Only 25% in leaf and rest of tree appears dead from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Diospyros virginiana **Variety:**
Cultivar: Ames 29625 **Family:** Ebenaceae **Tsnum:** 11006
Common Name: Common Persimmon
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** B5, C4

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Elaeagnus umbellata **Variety:** -0-
Cultivar: Michigan 777 **Family:** Elaeagnaceae **Tsnum:** 81195
Common Name: Michigan 777 Autumn Olive
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 10/5/2020

Plant Habit: Arching to broad oval

Plant Height: 8-12 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 24-36 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Difficult sites, large shrub

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Dark red

Insect Pests:

Pest Severity:

Plant Disease: canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Too large for most landscapes. Not a very showy plant. Fruit is only moderately interesting since there isn't that many of them. Growth habit is not very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ephedra equisetiana **Variety:**
Cultivar: **Family:** Ephedraceae **Tsnum:** 16111
Common Name: Bluestem Joint Fir
Source: Garden and Home Show **Quantity observed:** 1 **Location:** E7

Observation Date of Plant: 10/5/2020

Plant Habit: Broad oval

Plant Height: 2-3 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Blue

Bark Characteristics: Important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted fall of 2016.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ephedra equisetina **Variety:**
Cultivar: **Family:** Ephedraceae **Tsnum:** 03160
Common Name: Bluestem Joint Fir
Source: Fort Collins Nursery **Quantity observed:** 3 **Location:** G2

Observation Date of Plant: 9/17/2021

Plant Habit: Broad oval

Plant Height: 2.5 - 4 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Blue/grey

Bark Characteristics: Important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2003. Doing fine in partial sun area but would probably be larger if planted in more sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Eucommia ulmoides **Variety:**
Cultivar: **Family:** Eucommiaceae **Tsnum:** 98023
Common Name: Hardy Rubber Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** D8, SC5-1 or 12-2?

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 1-2 ft

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks better than it ever has in the past. Finally looks reasonably healthy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Eucommia umloides **Variety:**
Cultivar: Emerald Point **Family:** Eucommiaceae **Tsnum:** 13022
Common Name: Emerald Point Hardy Rubber Tree
Source: Carlton Plants **Quantity observed:** 2 **Location:** B9

Observation Date of Plant: 9/13/2021
Plant Habit: Upright/columnar
Plant Height: 8-10 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, confined spaces

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2014. Top of canopy died back on one of two - possibly might not be hardy enough - needs more time to observe. New growth is vigorous.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus alatus **Variety:**
Cultivar: Compactus **Family:** Celastraceae **Tsnum:** 19037
Common Name: Dwarf Winged Burning bush
Source: Carlton Plants **Quantity observed:** 2 **Location:** C8, E3

Observation Date of Plant: 9/14/2021
Plant Habit: Young, undefined
Plant Height: 2-3 ft.
Plant Width: 2 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus alatus **Variety:**
Cultivar: Odom **Family:** Celastraceae **Tsnum:** 19038
Common Name: Little Moses Winged Burning Bush
Source: Carlton Plants **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 9/14/2021

Plant Habit: Young, undefined

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2020.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus alatus **Variety:**
Cultivar: Timber Creek **Family:** Celastraceae **Tsnum:** 02014
Common Name: Chicago Fire Burning Bush
Source: Sjulín Nurseries **Quantity observed:** 2 **Location:** D3

Observation Date of Plant: 9/15/2021
Plant Habit: Broad oval
Plant Height: 7-10 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Abundant fruiting, showy
Fruit Color: Orange/red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/26/2021
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: red, bright

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus alatus **Variety:**
Cultivar: TREE FORM **Family:** Celastraceae **Tsnum:** 09070
Common Name: Winged Burning Bush-tree
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** DH

Observation Date of Plant: 8/5/2021
Plant Habit: Round
Plant Height: 6-7 ft
Plant Width: 5-6 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, patio tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks very good as a patio tree in a #20 container even after 12 years although it does get breakage as the wind blows it over more easily as the canopy keeps increasing with growth.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red

Date of observation: 10/26/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus bungeana **Variety:** -0-
Cultivar: North Platte **Family:** Celastraceae **Tsnum:** 77005
Common Name: North Platte Winterberry Euonymus
Source: Unknown **Quantity observed:** 1 **Location:** D3

Observation Date of Plant: 9/15/2021

Plant Habit: Upright oval, irregular

Plant Height: 20-30 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Light green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small tree or large shrub

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Light pink

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is pink and not as abundant as Euonymus 'Pink Lady'.

Observation Date of Flowers: 6/2/2003

Flower Color: Green/White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/26/2021

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: light creamy, yellow, light pink, reddish

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus bungeana **Variety:** -0-
Cultivar: Pink Lady **Family:** Celastraceae **Tsnum:** 78004
Common Name: Pink Lady Winterberry Euonymus
Source: Rose Lake Plant Material **Quantity observed:** 1 **Location:** E3

Observation Date of Plant: 9/16/2021

Plant Habit: Upright oval

Plant Height: 20-25 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: Showy, abundant

Fruit Color: Pink/orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is a very showy pink. Very attractive small tree with no problems. Lost a branch due to storm damage and growth habit is lopsided.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: light yellow

Date of observation: 10/24/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus bungeana **Variety:** -0-
Cultivar: Pink Lady **Family:** Celastraceae **Tsnum:** 78017
Common Name: Pink Lady Winterberry Euonymus
Source: Los Lunas Plant Material **Quantity observed:** 1 **Location:** E4

Observation Date of Plant: 9/16/2021

Plant Habit: Round

Plant Height: 15-20 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: Showy, abundant

Fruit Color: Pink/orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is a very showy pink. Very attractive small tree with no problems. One specimen seems more compact than the other specimen.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/26/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus bungeana **Variety:**
Cultivar: Verona **Family:** Celastraceae **Tsnum:** 07033
Common Name: Prairie Radiance Winterberry
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** D3

Observation Date of Plant: 9/15/2021
Plant Habit: Broad oval or irregular
Plant Height: 5-7 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Light to medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shrub

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Pink & red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Looks a little leggy. One of two was deformed by heavy snow in May 2017. Tall leggy suckers are changing overall growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus bungeana **Variety:**
Cultivar: Verona **Family:** Celastraceae **Tsnum:** 98080
Common Name: Autumn radiance Euonymus
Source: North Dakota State University **Quantity observed:** 1 **Location:** D3

Observation Date of Plant: 9/15/2021

Plant Habit: Irregular

Plant Height: 8-10 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 18-24 in.

Foliage Color: Light to medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, large shrub

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Pink & red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Suffered significant breakage which deformed growth habit during late snow storm on May 18, 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Rosy red/yellow

Date of observation: 10/16/2013

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus europaeus *Variety:* -0-
Cultivar: -0- *Family:* Celastraceae *Tsnum:* 77004
Common Name: European Euonymus
Source: Unknown *Quantity observed:* 1 *Location:* D3

Observation Date of Plant: 9/15/2021
Plant Habit: Irregular, upright
Plant Height: 12-18 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Abundant, showy
Fruit Color: Red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 10/28/2008
Aesthetics: Good *Persistence:* 1-2 weeks
Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus europaeus **Variety:** -0-
Cultivar: Aldenhamensis **Family:** Celastraceae **Tsnum:** 81223
Common Name: Euonymus
Source: Smith Nursery Co. **Quantity observed:** 3 **Location:** D3, E3

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval

Plant Height: 10-16 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Red, showy

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus europaeus **Variety:** -0-
Cultivar: Red Cap **Family:** Celastraceae **Tsnum:** 77002
Common Name: Red Cap European Euonymus
Source: Unknown **Quantity observed:** 2 **Location:** D3

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval

Plant Height: 10-15 ft.

Plant Width: 18-24 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Pink/Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fruit is impressive in 2017 and 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2003

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: bright red, bright pink, green, purple

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus fortunei **Variety:** radicans
Cultivar: Sarcoxie **Family:** Celastraceae **Tsnum:** 80167
Common Name: Sarcoxie Wintercreeper Euonymus
Source: American Nursery Product/Mi **Quantity observed:** 1 **Location:** D3

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval

Plant Height: 5-7 ft.

Plant Width: 12-16 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Shady areas, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit can appear leggy but would look fine with a little regular pruning each year. Deer graze on it in some winters.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Euonymus turkensis **Variety:** -0-
Cultivar: Nana **Family:** Celastraceae **Tsnum:** 78159
Common Name: Dwarf Turkish Euonymus
Source: Unknown **Quantity observed:** 1 **Location:** D3

Observation Date of Plant: 9/15/2021

Plant Habit: Irregular

Plant Height: 3.5-5 ft.

Plant Width: 6-8 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Dark to medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Crowding from nearby plants

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2010. Might be larger if not crowded by neighboring plants.
Growth habit is a little leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Exochorda serratifolia **Variety:**
Cultivar: Northern Pearls **Family:** Rosaceae **Tsnum:** 01038
Common Name: Northern Pearls Pearlbrush
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** B6, D6

Observation Date of Plant: 9/10/2021
Plant Habit: Broad oval
Plant Height: 9-13 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005. Flowers are impressive. Growth habit was deformed by snow in May 2017.

Observation Date of Flowers: 4/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 50-75%

Bloom Stage: Flowers open

Comments on Flowers: Large flowers with nice shape are very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Exochorda x macrantha **Variety:**
Cultivar: Bailmoon **Family:** Rosaceae **Tsnum:** 18053
Common Name: Lotus Moon™ Pearlbush
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** F6

Observation Date of Plant: 10/5/2020
Plant Habit: Round
Plant Height: 2 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fagus sylvatica **Variety:**
Cultivar: Asplenifolia **Family:** Fagaceae **Tsnum:** 04045
Common Name: Fern-leaf Beech
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** B2

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval becoming round
Plant Height: 20-26 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: specimen, shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Might be wider if not crowded by neighboring plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/28/2013

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fagus sylvatica **Variety:** -0-
Cultivar: Atropurpurea **Family:** Fagaceae **Tsnum:** 82167
Common Name: European Beech
Source: Amfac Nurseries California **Quantity observed:** 1 **Location:** B3

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 20-30 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green with shades of red/purple
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fagus sylvatica **Variety:**
Cultivar: Dawyck Purple **Family:** Fagaceae **Tsnum:** 17007
Common Name: Dawyck Purple Beech
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** A3, B3

Observation Date of Plant: 9/6/2021

Plant Habit: Columnar

Plant Height: 7 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, confined areas

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fagus sylvatica **Variety:**
Cultivar: Red Obelisk **Family:** Ericaceae **Tsnum:** 96048
Common Name: Red Obelisk Beech
Source: Oregon Garden Products **Quantity observed:** 1 **Location:** B2

Observation Date of Plant: 9/9/2021
Plant Habit: Columnar
Plant Height: 18-25 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Red/dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, screen, narrow/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is dark green with shades of dark red. Growth habit is a little misshapen due to heavy snow in May 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Yellow/gold

Date of observation: 10/28/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fagus sylvatica **Variety:** -0-
Cultivar: Riversii **Family:** Betulaceae **Tsnum:** 78160
Common Name: Rivers European Beech
Source: Siebenthaler Nursery **Quantity observed:** 1 **Location:** B3

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Dark green/purple
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, screen, narrow/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Large, inactive canker wound has significant decay in trunk which will eventually cause structural problems. Canker wound is starting to close up.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fagus sylvatica **Variety:** -0-
Cultivar: Roseo-marginata **Family:** Fagaceae **Tsnum:** 82168
Common Name: European Beech
Source: Amfac Nurseries California **Quantity observed:** 3 **Location:** A2

Observation Date of Plant: 9/6/2021

Plant Habit: Upright oval to round

Plant Height: 30-40 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Variegated, dark green with white and green margins

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is stunning in spring with green, white and some pink. Very problem free tree for many years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/28/2008

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Mostly burnt yellow but some orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fagus sylvatica **Variety:**
Cultivar: Spaethiana **Family:** Fagaceae **Tsnum:** 95035
Common Name: Spaeth's Purple Beech
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A3

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval to pyramidal
Plant Height: 40-45 ft.
Plant Width: 30-35 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green/red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fallugia paradoxa **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 03163
Common Name: Apache Plume
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** G1

Observation Date of Plant: 9/17/2021

Plant Habit: Broad oval to irregular

Plant Height: 3-4 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A good plant for tough sites. Would grow bigger in full sun.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Comments on Flowers: Will continue to bloom throughout the summer at a slower rate but seed plumes are very showy and extend interest.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fallugia paradoxa **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 16109
Common Name: Apache Plume
Source: Garden and Home Show **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021
Plant Habit: Broad oval or irregular
Plant Height: 3-4 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted fall of 2016.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fontanesia fortunei **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 88009
Common Name: Fortune Fontanesia
Source: OE White Research Arboretu **Quantity observed:** 1 **Location:** A7

Observation Date of Plant: 9/8/2021
Plant Habit: Irregular
Plant Height: 10-14 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fontanesia fortunei **Variety:** -0-
Cultivar: Titan **Family:** Oleaceae **Tsnum:** 90015
Common Name: Titan Fontanesia
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** A6

Observation Date of Plant: 9/7/2021
Plant Habit: Upright oval
Plant Height: 22-28 ft.
Plant Width: 20-27 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border, screen, small tree with time

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Fine foliage and growth habit seems to give somewhat of a tropical appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forestiera neomexicana **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 96069
Common Name: Desert Olive
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** A8

Observation Date of Plant: 9/8/2021

Plant Habit: Broad oval

Plant Height: 10-14 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Moderate fruit

Fruit Color: Dark purple

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forestiera neomexicana **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 05021
Common Name: New Mexico Privet
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** A8

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shrub border, hedge

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Was in container too long.
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019. Vigor is a little low and probably planted in too much shade.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forestiera neomexicana **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 87196
Common Name: Desert Olive
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** A7

Observation Date of Plant: 9/8/2021

Plant Habit: broad oval

Plant Height: 10-14 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border, small tree

Overall Plant Health: Fair

Fruit Present: Abundant fruiting, showy

Fruit Color: Purple

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has interesting bark if pruned into a small tree. Stems seem to lean outward with age. This plant would look better in full sun and if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forestiera neomexicana **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 78016
Common Name: Desert Olive
Source: Los Lunas Plant Material **Quantity observed:** 3 **Location:** A7

Observation Date of Plant: 9/8/2021
Plant Habit: Round becoming broad oval
Plant Height: 14-20 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border, small tree

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Dark purple

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has interesting bark if pruned into a small tree. Stems seem to lean outward with age.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers: No petals - just anthers, so the flower isn't too showy.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia **Variety:** -0-
Cultivar: Northern Gold **Family:** Oleaceae **Tsnum:** 87094
Common Name: Northern Gold Forsythia
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** C8

Observation Date of Plant: 9/14/2021
Plant Habit: Irregular
Plant Height: 5 - 6 ft.
Plant Width: 10-12 ft.
Current Seasons Growth: 4-6 ft.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2019.

Observation Date of Flowers: 4/16/2018
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Comments on Flowers: Very abundant and uniform.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia giraldiana **Variety:**
Cultivar: Golden Times **Family:** Oleaceae **Tsnum:** 08024
Common Name: Golden Times Forsythia
Source: Carlton Plants **Quantity observed:** 1 **Location:** B8

Observation Date of Plant: 9/10/2021

Plant Habit: Irregular

Plant Height: 5-6 ft.

Plant Width: 5-6 ft.

Current Seasons Growth: 36-48 in.

Foliage Color: Variegated, green and yellow

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Variegated foliage helps add interest when not in flower but growth habit is irregular and leggy.

Observation Date of Flowers: 4/16/2018

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 20.00%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia mandshurica **Variety:** -0-
Cultivar: Vermont Sun **Family:** Oleaceae **Tsnum:** 87197
Common Name: Vermont Sun Forsythia
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** C9

Observation Date of Plant: 9/14/2021

Plant Habit: Round to broad oval

Plant Height: 3-4 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 36-48 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is much larger than most Forsythias and more round. Growth habit is less leggy than other Forsythias. Better fall color than most Forsythia. May be wider if had more space.

Observation Date of Flowers: 4/16/2018

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 10-20%

Bloom Stage: Flowers open

Comments on Flowers: Never has had many flowers.

Fall Color or Fruit: Fall color

Aesthetics: Good, showy

Fall Color: Yellow

Date of observation: 10/25/2013

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia ovata **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 82132
Common Name: Early Forsythia
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** C7, C8

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular

Plant Height: 3-4 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2019. Hasn't regained vigor prior to rejuvenation and still fairly small.

Observation Date of Flowers: 4/16/2018

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia ovata x europaea **Variety:** -0-
Cultivar: Meadowlark **Family:** Oleaceae **Tsnum:** 84226
Common Name: Meadowlark Border Forsythia
Source: South Dakota State University **Quantity observed:** 3 **Location:** C8, B8

Observation Date of Plant: 9/10/2021

Plant Habit: Irregular

Plant Height: 5-8 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 4-6 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2019.

Observation Date of Flowers: 3/20/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good to excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia species **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 82222
Common Name: Forsythia
Source: USDA, Glendale, MD **Quantity observed:** 2 **Location:** B7, C7

Observation Date of Plant: 9/10/2021
Plant Habit: Irregular
Plant Height: 6-8 ft.
Plant Width: 14-18 ft.
Current Seasons Growth: 4-6 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Exceptional vigor. Growth habit is leggy.

Observation Date of Flowers: 3/26/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia spectabilis **Variety:** -0-
Cultivar: Showy Border **Family:** Oleaceae **Tsnum:** 86173
Common Name: Showy Border Forsythia
Source: Forrest Keeling Nursery **Quantity observed:** 3 **Location:** C7, B7

Observation Date of Plant: 9/10/2021

Plant Habit: Irregular

Plant Height: 6-8 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2019.

Observation Date of Flowers: 3/26/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good to excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers: Relatively shorter petals but a lot of them.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia suspensa **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 83143
Common Name: Weeping Forsythia
Source: Mount Arbor Nursery **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 9/14/2021

Plant Habit: Broad oval

Plant Height: 2-4 ft.

Plant Width: 5-6 ft.

Current Seasons Growth: 2-4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Rejuvenated in 2004 and 2019. Never is very showy and has a poor growth habit. Vigor is poor after rejuvenated in 2019.

Observation Date of Flowers: 4/16/2018

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 10-15%

Bloom Stage: Flowers open

Comments on Flowers: Not many flowers this year and generally a poor performer in the past.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia viridissima **Variety:**
Cultivar: Klein **Family:** Oleaceae **Tsnum:** 02015
Common Name: Klein Dwarf Forsythia
Source: Sjulín Nurseries **Quantity observed:** 3 **Location:** C9

Observation Date of Plant: 9/14/2021
Plant Habit: Irregular or broad oval
Plant Height: 4-5 ft
Plant Width: 6-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is somewhat more attractive than most Forsythias - less leggy with smaller foliage size.

Observation Date of Flowers: 4/16/2018

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 50.00%

Bloom Stage: Flowers open

Comments on Flowers: Never has had many flowers. Only one of three plants has flowers.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia viridissima koreana **Variety:**
Cultivar: Kumson **Family:** Oleaceae **Tsnum:** 14095
Common Name: Kumson Forsythia
Source: Garden and Home Show **Quantity observed:** 1 **Location:** B9

Observation Date of Plant: 9/13/2021
Plant Habit: Upright, irregular
Plant Height: 3-4 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Mostly medium green with variegation more pronounced earlier in season.
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in fall of 2016. Variegated newer foliage is unique and interesting

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia x **Variety:**
Cultivar: 7706-1 **Family:** Oleaceae **Tsnum:** 95060
Common Name: 7706-1 Forsythia
Source: Sjulín Nurseries **Quantity observed:** 2 **Location:** B7

Observation Date of Plant: 9/10/2021
Plant Habit: Irregular
Plant Height: 5-7 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 1 - 3 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2019.

Observation Date of Flowers: 4/16/2018

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Comments on Flowers: Very dense flowering and a more vibrant color of yellow than most. One of the most dependable and showy in the arboretum.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia x **Variety:** -0-
Cultivar: New Hampshire Gold **Family:** Oleaceae **Tsnum:** 89147
Common Name: New Hampshire Gold Forsythia
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** B8

Observation Date of Plant: 9/10/2021
Plant Habit: Irregular to broad oval
Plant Height: 3-6 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 3-5 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2019.

Observation Date of Flowers: 4/16/2018
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia x **Variety:**
Cultivar: Northern Sun **Family:** Oleaceae **Tsnum:** 94001
Common Name: Northern Sun Forsythia
Source: Sjulín Nurseries **Quantity observed:** 3 **Location:** B7

Observation Date of Plant: 9/10/2021
Plant Habit: Irregular
Plant Height: 5-6 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 1 - 3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three have been rejuvenated. One still looks small and lack vigor - probably in too much shade.

Observation Date of Flowers: 4/16/2018

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers: Uniform flower coverage

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia x intermedia **Variety:** -0-
Cultivar: Beatrix Ferrand **Family:** Oleaceae **Tsnum:** 84140
Common Name: Beatrix Ferrand Border Forsythia
Source: Mount Arbor Nursery **Quantity observed:** 3 **Location:** B8, B7

Observation Date of Plant: 9/10/2021

Plant Habit: Irregular

Plant Height: 5-8 ft.

Plant Width: 8-14 ft.

Current Seasons Growth: 3 - 4 ft.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2019.

Observation Date of Flowers: 4/16/2018

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers: This plant might flower better in more sun.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia x intermedia **Variety:** -0-
Cultivar: Golden Belle **Family:** Oleaceae **Tsnum:** 86172
Common Name: Golden Belle Border Forsythia
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** B8

Observation Date of Plant: 9/10/2021

Plant Habit: Irregular

Plant Height: 5-7 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Exceptionally vigorous. Rejuvenated in 2019.

Observation Date of Flowers: 3/23/2012

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers: Flowers are twice as big as most Forsythia.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia x intermedia **Variety:**
Cultivar: Lynwood Gold **Family:** Oleaceae **Tsnum:** 94006
Common Name: Lynwood Gold Forsythia
Source: Mount Arbor Nursery **Quantity observed:** 3 **Location:** C8, C9

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular or broad oval

Plant Height: 5-7 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 3-5 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is impressive. Nice dark green foliage. Rejuvenated 2019.

Observation Date of Flowers: 4/16/2018

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 95-100%

Bloom Stage: Flowers open

Comments on Flowers: Large flowers with vibrant color and very abundant.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia x intermedia **Variety:** -0-
Cultivar: Spring Glory **Family:** Oleaceae **Tsnum:** 83203
Common Name: Spring Glory Border Forsythia
Source: Monrovia Growers **Quantity observed:** 1 **Location:** B8

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular, upright

Plant Height: 5-6 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 3-5 ft.

Foliage Color: Dark Green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2019.

Observation Date of Flowers: 4/16/2018

Flower Color: yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers: Uniform flower coverage

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Forsythia x intermedia **Variety:** -0-
Cultivar: Sunrise **Family:** Oleaceae **Tsnum:** 82124
Common Name: Sunrise Border Forsythia
Source: Mount Arbor Nursery **Quantity observed:** 3 **Location:** C7

Observation Date of Plant: 9/14/2021
Plant Habit: Broad oval
Plant Height: 4-6 ft.
Plant Width: 10-12 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three rejuvenated in 2019.

Observation Date of Flowers: 4/16/2018
Flower Color: yellow
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Comments on Flowers: Relatively shorter petals but a lot of them.

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Bronze/purple

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus **Variety:**
Cultivar: Northern Treasure **Family:** Oleaceae **Tsnum:** 00068
Common Name: Northern Treasure Ash
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** B8

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably be wider if not crowded by neighboring trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 9/20/2004

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:** -0-
Cultivar: Autumn Applause **Family:** Oleaceae **Tsnum:** 91070
Common Name: Autumn Applause White Ash
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** SC03-07

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval becoming round
Plant Height: 18-24 ft.
Plant Width: 18-24 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Canopy looks fine but canker wounds on upper main trunk killed central leader. Lower laterals are taking over. Still looks okay generally and growth habit is probably wider because of it.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Yellow, purple

Date of observation: 10/9/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:** -0-
Cultivar: Autumn Blaze **Family:** Oleaceae **Tsnum:** 86155
Common Name: Autumn Blaze White Ash
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** B9

Observation Date of Plant: 9/13/2021
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Very nice growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:** -0-
Cultivar: Autumn Purple **Family:** Oleaceae **Tsnum:** 78161
Common Name: Autumn Purple White Ash
Source: Milton Nursery **Quantity observed:** 1 **Location:** B8

Observation Date of Plant: 9/10/2021

Plant Habit: Upright oval to round

Plant Height: 50-60 ft.

Plant Width: 45-55 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has an large canker at base of tree but not sure if active. Doesn't look very active but is fairly large and will create structural problems in future. Canopy does have some dead branches but could also be from shading out.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: purple, yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Chicago Regal **Family:** Oleaceae **Tsnum:** 96123
Common Name: Chicago Regal Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC3-8

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval

Plant Height: 22-30 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction. Attractive growth habit but canopy seems a little thin from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: purple, rose, yellow

Date of observation: 10/9/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Empire **Family:** Oleaceae **Tsnum:** 96135
Common Name: Empire White Ash
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** A8

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 35-45 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate to severe injury
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Canopy still looks good although canker on trunk appears to be about 2/3 around the trunk but it may have been compartmentalized since it looks like it has new wood closing in around the edge. Structural failure may be a problem in the

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Empire **Family:** Oleaceae **Tsnum:** 96124
Common Name: Empire White Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC3-9

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval

Plant Height: 25-35 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2017

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Dark purple, not very vibrant

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Northern Blaze **Family:** Oleaceae **Tsnum:** 07138
Common Name: Northern Blaze White Ash
Source: Plant Select Multisite Study **Quantity observed:** 1 **Location:** SC3-1

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval

Plant Height: 20-25 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury not active

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: fair

Fall Color: Yellow, brown

Date of observation: 10/9/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Northern Gem **Family:** Oleaceae **Tsnum:** 99011
Common Name: Northern Gem White Ash
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** SC5-13

Observation Date of Plant: 9/13/2021

Plant Habit: Upright oval

Plant Height: 9-14 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 1-3 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Moved in 2003 due to unavoidable construction. Over half of canopy died and smaller branches have many small holes from insects. Dying soon.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 9/23/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:** -0-
Cultivar: Rosehill **Family:** Oleaceae **Tsnum:** 88056
Common Name: Rosehill White Ash
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** A9

Observation Date of Plant: 9/8/2021

Plant Habit: Round

Plant Height: 45-55 ft.

Plant Width: 45-55 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Royal Purple **Family:** Oleaceae **Tsnum:** 06011
Common Name: Royal Purple White Ash
Source: Carlton Plants **Quantity observed:** 1 **Location:** SC05-14

Observation Date of Plant: 9/13/2021

Plant Habit: Upright oval

Plant Height: 20-25 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Dark purple

Date of observation: 10/8/2019

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:** -0-
Cultivar: Skyline **Family:** Oleaceae **Tsnum:** 86192
Common Name: Skyline White Ash
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** A8

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval
Plant Height: 55-65 ft.
Plant Width: 45-55 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering.

Recommended: Yes

Comments on plant: Growth habit is very attractive. Has old wound at base of trunk from unknown cause but seems to be closing over. May create structural problem later.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2003

Aesthetics: Excellent

Persistence: 1-2 weeks

Fall Color: creamy yellow, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus americana **Variety:**
Cultivar: Tures **Family:** Oleaceae **Tsnum:** 95036
Common Name: Windy City Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC3-10,11

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval to round

Plant Height: 22-27 ft.

Plant Width: 18-24 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair

Fruit Present: Few

Fruit Color: Green turning to tan

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury but may have been contained

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved in 2003 due to unavoidable construction. Both have cankers on trunk which probably are reducing vigor. One tree still looks tolerable but weaker than the average ash tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/9/2017

Aesthetics: Excellent

Persistence: 1-2 weeks

Fall Color: orange, yellow, purple

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus excelsior **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 04040
Common Name: Common Ash
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** A8, B7, B9

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval
Plant Height: 20-25 ft.
Plant Width: 8-14 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2010.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus excelsior **Variety:** -0-
Cultivar: Kimberly Blue **Family:** Oleaceae **Tsnum:** 78164
Common Name: Kimberly Blue European Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A7

Observation Date of Plant: 9/8/2021
Plant Habit: Round becoming broad oval
Plant Height: 50-60 ft.
Plant Width: 45-55 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Slight suckering
Recommended: Yes
Comments on plant: Overall, the tree is somewhat disfigured by storm damage and there are a few dead branches but may be due to getting shaded out.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus mandshurica **Variety:** -0-
Cultivar: -0- **Family:** Oleoaceae **Tsnum:** 91132
Common Name: Manchurian Ash
Source: Schichtel's Nursery **Quantity observed:** 2 **Location:** SC03-12,13

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 18-24 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 2-4 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Residential street, specimen

Overall Plant Health: Poor to fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker on lateral branches of one tree

Disease Severity: Slight to moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit is very uniform and attractive although vigor is fairly low for unknown reason. May need an area with a lot of moisture.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/9/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus mandshurica **Variety:** -0-
Cultivar: Moncana **Family:** Oleaceae **Tsnum:** 87089
Common Name: Moncana Manchurian Ash
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** A9, A8

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval, narrow
Plant Height: 40-50 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has some included bark in a major branch. Growth habit is distorted by past snow load. Needs some dead wood removed. Vigor seems low and canopy thin.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:** -0-
Cultivar: Rugby **Family:** Oleaceae **Tsnum:** 89116
Common Name: Prairie Spire Green Ash
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** C9, B9

Observation Date of Plant: 9/13/2021

Plant Habit: Upright oval

Plant Height: 40-45 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, narrow spaces

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little more open due to snow load over the years but starting to regain form.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/18/2011

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica *Variety:* -0-
Cultivar: -0- *Family:* Oleaceae *Tsnum:* 80200
Common Name: Green Ash
Source: USDA, Bismarck N.D. *Quantity observed:* 1 *Location:* A8

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval or irregular
Plant Height: 50-60 ft.
Plant Width: 50-60 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Past snow load has distorted growth habit but looking better than others in collection.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:** -0-
Cultivar: Aerial **Family:** Oleaceae **Tsnum:** 92067
Common Name: Aerial Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC03-15, 16

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 20-28 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests: Borers

Pest Severity: Slight injury on one tree and moderate on second.

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moved in 2003 due to unavoidable construction. Plants have very little growth. One of two trees has swelling on the trunk but suspect it may be borers. One of two trees has a very twiggy growth habit compared to second tree for unknown

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow, light green

Date of observation: 10/7/2019

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica *Variety:* -0-
Cultivar: Bergeson *Family:* Oleaceae *Tsnum:* 90014
Common Name: Bergeson Ash
Source: Sherman Nursery *Quantity observed:* 3 *Location:* B7, B9, A9

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 50-60 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color *Date of observation:* 9/23/2004
Aesthetics: Good *Persistence:* 1-2 weeks
Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Centerpoint **Family:** Oleaceae **Tsnum:** 96126
Common Name: Centerpoint Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC4-7

Observation Date of Plant: 9/23/2021
Plant Habit: Upright oval becoming round
Plant Height: 20-27 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Aphids
Pest Severity: Minor injury, leaf curling
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/10/2017
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Cimmzam **Family:** Oleaceae **Tsnum:** 94030
Common Name: Cimmaron Green Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC4-8

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval

Plant Height: 30-35 ft.

Plant Width: 20-30 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests: Borers

Pest Severity: Slight injury

Plant Disease: Canker

Disease Severity: Appears to have been contained.

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange, yellow

Date of observation: 10/8/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:** -0-
Cultivar: Dakota Centennial **Family:** Oleaceae **Tsnum:** 89115
Common Name: Dakota Centennial Green Ash
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** B7, B6

Observation Date of Plant: 9/10/2021

Plant Habit: Upright oval

Plant Height: 55-65 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This plant has a fairly narrow growth habit with a strong central leader.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good to excellent

Fall Color: Golden yellow

Date of observation: 9/23/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:** -0-
Cultivar: Emerald **Family:** Oleaceae **Tsnum:** 83133
Common Name: Emerald Green Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A8

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 45-55 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Bark seems thicker and more deeply fissured than most. Growth habit is a little distorted by past snow load but still looks acceptable.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Foothills **Family:** Oleaceae **Tsnum:** 00069
Common Name: Foothills Ash
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** A8

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval
Plant Height: 10-12 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Growth habit somewhat distorted due to broken central leader from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Johnson **Family:** Oleaceae **Tsnum:** 95042
Common Name: Leprechaun Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC4-11,12

Observation Date of Plant: 9/22/2021

Plant Habit: Round to upright oval

Plant Height: 15-20 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/10/2017

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:** -0-
Cultivar: Kindred **Family:** Oleaceae **Tsnum:** 82107
Common Name: Kindred Green Ash
Source: Cross Nurseries Inc. **Quantity observed:** 2 **Location:** B8, B7

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2003
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: bright yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Kohler **Family:** Oleaceae **Tsnum:** 94025
Common Name: Kohler Green Ash
Source: Discover-Tree Research **Quantity observed:** 2 **Location:** SC4-13,14

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval becoming round
Plant Height: 24-28 ft.
Plant Width: 18-22 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Appears to have been contained.
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/3/2017
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Russet red with a little bit of purple. Not

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Leeds **Family:** Oleaceae **Tsnum:** 94056
Common Name: Prarie Dome Ash
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **Location:** SC4-15

Observation Date of Plant: 9/22/2021

Plant Habit: Upright oval

Plant Height: 18-24 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, shade tree

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 10/3/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: National 1999 **Family:** Oleaceae **Tsnum:** 01003
Common Name: Champtree Green Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC4-4, 5-4

Observation Date of Plant: 9/14/2021
Plant Habit: Round or upright oval
Plant Height: 30-38 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is excellent along with form. One tree is probably 20% larger than the other from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/13/2017

Aesthetics: Fair - just barely starting **Persistence:** 1-2 weeks

Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Patmore **Family:** Oleaceae **Tsnum:** 95164
Common Name: Patmore Green Ash
Source: 1995 Roberta Tolan Thesis **Quantity observed:** 3 **Location:** SC4-16, SC5-7,8

Observation Date of Plant: 9/13/2021

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 20-30 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/3/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Rugby **Family:** Oleaceae **Tsnum:** 99006
Common Name: Prairie Spire Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC5-9,10

Observation Date of Plant: 9/13/2021

Plant Habit: Upright oval

Plant Height: 20-25 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 9/28/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Sherwood Glen **Family:** Oleaceae **Tsnum:** 99039
Common Name: Sherwood Glen Green Ash
Source: Carlton Plants **Quantity observed:** 4 **Location:** SC004-1, 9, 10, SC05-

Observation Date of Plant: 9/13/2021

Plant Habit: Upright oval

Plant Height: 20-30 ft.

Plant Width: 18-24 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 9/20/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:** -0-
Cultivar: Wahpeton **Family:** Oleaceae **Tsnum:** 93091
Common Name: Dakota Centennial Green Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC05-11

Observation Date of Plant: 9/13/2021
Plant Habit: Upright oval
Plant Height: 30-37 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus pennsylvanica **Variety:**
Cultivar: Watson **Family:** Oleaceae **Tsnum:** 02025
Common Name: Prairie Splendor Ash
Source: Carlton Plants **Quantity observed:** 2 **Location:** SC04-5,6

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval or pyramidal
Plant Height: 20-26 ft.
Plant Width: 20-28 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Canopy is dense and bushy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/2/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Fraxinus quadrangulata **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 78168
Common Name: Blue Ash
Source: Siebenthaler Nursery **Quantity observed:** 1 **Location:** B8

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval
Plant Height: 45-55 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two small areas on trunk have loose bark from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Genista tinctoria **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 85147
Common Name: Broom
Source: Burr Oak Nursery **Quantity observed:** 3 **Location:** E7, E8

Observation Date of Plant: 9/28/2020
Plant Habit: Broad oval
Plant Height: 3 - 4 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor to fair

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: These often requires regular pruning to remove dieback. Two of three appear to be in decline and look very poor.

Observation Date of Flowers: 7/2/2003

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Genista tinctoria **Variety:** -0-
Cultivar: Golden Dwarf **Family:** Leguminosae **Tsnum:** 80142
Common Name: Golden Dwarf Broom
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** E7

Observation Date of Plant: 9/28/2020
Plant Habit: Broad oval
Plant Height: 2-3 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Growth habit sometimes becomes open but looks good since 2014.

Observation Date of Flowers: 7/8/2003
Flower Color: Yellow
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo bilboa **Variety:**
Cultivar: Saratoga **Family:** Ginkgoaceae **Tsnum:** 95096
Common Name: Saratoga Maidenhair Tree
Source: Monrovia Growers **Quantity observed:** 1 **Location:** D1

Observation Date of Plant: 9/15/2021

Plant Habit: Upright oval

Plant Height: 12-18 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy is dense and full but not very uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/28/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: **Family:** Ginkgoaceae **Tsnum:** 10032
Common Name: Maidenhair-tree
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D0, E1

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 14-Aug

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2012.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:** -0-
Cultivar: -0- **Family:** Ginkgoaceae **Tsnum:** 78170
Common Name: Ginkgo
Source: Unknown **Quantity observed:** 1 **Location:** E0

Observation Date of Plant: 9/16/2021

Plant Habit: Upright oval

Plant Height: 35-42 ft.

Plant Width: 20-30 ft

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is less dense and uniform as cultivars but still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:** -0-
Cultivar: Fairmont **Family:** Ginkgoaceae **Tsnum:** 80044
Common Name: Fairmont Ginkgo
Source: Hines Nursery **Quantity observed:** 1 **Location:** E0

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 35-42 ft.
Plant Width: 30-35 ft
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Golden Globe **Family:** Ginkgoaceae **Tsnum:** 07023
Common Name: Golden Globe Ginkgo
Source: Femrite Nursery Company **Quantity observed:** 2 **Location:** E0, E1

Observation Date of Plant: 9/16/2021

Plant Habit: Upright oval

Plant Height: 6-7 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium yellow/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Jade Butterfly **Family:** Ginkgoaceae **Tsnum:** 15085
Common Name: Jade Butterfly Maidenhair Tree
Source: Monrovia Growers **Quantity observed:** 2 **Location:** D0, E0

Observation Date of Plant: 9/17/2021

Plant Habit: Young, undefined

Plant Height: 3-4 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in Fall 2016. Has some old tip dieback. May be related to establishment problems due to being at edge of arboretum where irrigation is less uniform. Still seems to lack vigor in 2021.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: JFS-UGA2 **Family:** Ginkgoaceae **Tsnum:** 09015
Common Name: Golden Colonnade Ginkgo
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** E1

Observation Date of Plant: 9/16/2021
Plant Habit: Irregular
Plant Height: 4-5 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Was in lathhouse too long.
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2012. Appears to have lost top tip of central leader at early age and a new one needs to be trained. Growth habit is distorted.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: JFS-UGA2 **Family:** Ginkgoaceae **Tsnum:** 06025
Common Name: Golden Colonnade Ginkgo
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** E1

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval or irregular
Plant Height: 6-8 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010. Growth habit is not very upright as the central leader was lost as a young plant.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Magyar **Family:** Ginkgoaceae **Tsnum:** 01047
Common Name: Magyar Ginko
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** E0

Observation Date of Plant: 9/16/2021

Plant Habit: Irregular

Plant Height: 5-7 ft.

Plant Width: 5-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:** -0-
Cultivar: Princeton Sentry **Family:** Ginkgoaceae **Tsnum:** 89117
Common Name: Princeton Sentry Ginkgo
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** E0

Observation Date of Plant: 9/16/2021

Plant Habit: Upright oval

Plant Height: 20-30 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two trees has less vigor - probably due to irrigation problem at edge of arboretum. Smaller tree still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: The President **Family:** Ginkgoaceae **Tsnum:** 08004
Common Name: Presidential Gold Ginkgo
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** D0

Observation Date of Plant: 9/15/2021

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Slight suckering.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: The President **Family:** Ginkgoaceae **Tsnum:** 07053
Common Name: Presidential Gold Ginkgo
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** D0

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 5-6 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2012.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ginkgo biloba **Variety:**
Cultivar: Woodstock **Family:** Ginkgoaceae **Tsnum:** 04023
Common Name: Emperor Ginko
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** SC09-16

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval or irregular
Plant Height: 7-9 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Looks a little leggy but should improve with time. Canopy has about 5% dead twigs from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Gleditsia triacanthos inermis **Variety:**
Cultivar: **Family:** Leguminosae **Tsnum:** 76063
Common Name: Honeylocust
Source: n/a **Quantity observed:** 1 **Location:** D3

Observation Date of Plant: 9/15/2021
Plant Habit: Round to upright oval
Plant Height: 55-65 ft.
Plant Width: 50-60 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Street tree, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Gleditsia triacanthos inermis **Variety:**
Cultivar: Draves **Family:** Fabaceae **Tsnum:** 10019
Common Name: Street Keeper Honeylocust
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** D5, C6

Observation Date of Plant: 9/21/2020
Plant Habit: Young, upright oval
Plant Height: 12-18 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 8-14 in

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: One of two trees is crowded from nearby tree.
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2012. Has about 15% twig dieback on one of two trees from unknown cause.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/4/2015
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Gleditsia triacanthos inermis **Variety:** inermis
Cultivar: Imperial **Family:** Leguminosae **Tsnum:** 78172
Common Name: Imperial Thornless Honeylocust
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** C7

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval or irregular
Plant Height: 50-60 ft.
Plant Width: 45-55 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Main grow wider if not crowded by neighbors

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/1/2016
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Gleditsia triacanthos inermis **Variety:** inermis
Cultivar: Moraine **Family:** Leguminosae **Tsnum:** 78173
Common Name: Moraine Thornless Honeylocust
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** C7

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval becoming irregular
Plant Height: 50-60 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 10-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2003
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Gleditsia triacanthos inermis **Variety:** inermis
Cultivar: Suncole **Family:** Leguminosae **Tsnum:** 01001
Common Name: Sunburst Honeylocust
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** D6

Observation Date of Plant: 9/21/2020

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green, yellow on newest foliage

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Residential, specimen, large shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Too much shade from larger nearby trees

Nuisances:

Recommended: Marginal

Comments on plant: Both seem to have a bend in the trunk but one is severe and may need to be removed. Probably getting crowded from nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Gymnocladus **Variety:**
Cultivar: True North **Family:** Fabaceae **Tsnum:** 16002
Common Name: True North Kentucky Coffee Tree
Source: Carlton Plants **Quantity observed:** 2 **Location:** HG, C7

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Shade tree, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Gymnocladus dioicus **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 78174
Common Name: Kentucky Coffeetree
Source: Bath Nursery **Quantity observed:** 2 **Location:** D6

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Brown
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Seed pods have to be raked
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/12/2012
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hamamelis × intermedia **Variety:**
Cultivar: Jelena **Family:** Hamamelidaceae **Tsnum:** 19039
Common Name: Jelena Witch Hazel
Source: Carlton Plants **Quantity observed:** 1 **Location:** E5

Observation Date of Plant: 9/28/2020
Plant Habit: Young, undefined
Plant Height: 2-3 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hamamelis virginiana **Variety:** -0-
Cultivar: -0- **Family:** Hamamelidaceae **Tsnum:** 85098
Common Name: Common Witchhazel
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/15/2021
Plant Habit: Irregular to upright oval
Plant Height: 8-12 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Soil pH is high
Nuisances:
Recommended: No
Comments on plant: Moderate chlorosis due to high soil pH.

Observation Date of Flowers: 11/25/2005
Flower Color: Light Yellow
Flower Type: cluster
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hedera helix **Variety:** -0-
Cultivar: Bulgaria **Family:** Araliaceae **Tsnum:** 82065
Common Name: Bulgarian English Ivy
Source: Monrovia Growers **Quantity observed:** 3 **Location:** CFA

Observation Date of Plant: 9/14/2020
Plant Habit: Creeping (ground cover)
Plant Height: <0.5 ft.
Plant Width: 10 - 20 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Ground cover, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in fall of 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Heptacodium microroides **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 11113
Common Name: Seven-son Flower
Source: Garden and Home Show **Quantity observed:** 1 **Location:** G3

Observation Date of Plant: 9/17/2021

Plant Habit: Round

Plant Height: 8-10 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 12-18 in

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers: 10/1/2019

Flower Color: White

Flower Type: Cluster

Flower Effect: Very showy

% of Flower Coverage: 30%

Bloom Stage: Sepals very colorful

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Heptacodium micorioides **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 06034
Common Name: Seven-Son Flower
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC10-14, 15

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Still just flowers but usually abundant impressive long lasting color
Fruit Color: Rosy red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted into arboretum Fall 2006. First significant flowering since it was planted was in 2010 so it may take time to get established but it is well worth the wait.

Observation Date of Flowers: 8/1/2007
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 20-25%
Bloom Stage: Flowers open
Comments on Flowers: Few flowers since the establishment process is still occurring.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hibiscus syriacus **Variety:**
Cultivar: Blushing Bride **Family:** Malvaceae **Tsnum:** 15073
Common Name: Blushing Bride Rose-of-Sharon
Source: Carlton Plants **Quantity observed:** 1 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hibiscus syriacus **Variety:**
Cultivar: Mindour 1 **Family:** Malvaceae **Tsnum:** 20059
Common Name: First Editions French Cabaret™ Red Hibiscus
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Young, undefined
Plant Height: 2-4 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hibiscus syriacus **Variety:**
Cultivar: Notwoodone **Family:** Malvaceae **Tsnum:** 15061
Common Name: Lavender Chiffon Althea
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval
Plant Height: 4-6 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in Fall 2016 and two more in 2020.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hippophae rhamnoides **Variety:** -0-
Cultivar: -0- **Family:** Elaeagnaceae **Tsnum:** 83175
Common Name: Sea Buckthorn
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** G6

Observation Date of Plant: 10/7/2020
Plant Habit: Irregular, upright
Plant Height: 12-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark gray/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Barrier, specimen, xeriscape, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: 25% of canopy affected

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: The older plants tend to have a lot of character if pruned into a small tree. Looks good in a spot without much irrigation.

Observation Date of Flowers: 4/18/2006

Flower Color: Lt. Yellow

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 50-80%

Bloom Stage: Flowers open

Comments on Flowers: Flowers too tiny to be showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hippophae rhamnoides **Variety:**
Cultivar: Sprite **Family:** Elaeagnaceae **Tsnum:** 96117
Common Name: Sprite Seabuckthorn
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 10/5/2020
Plant Habit: Irregular, upright
Plant Height: 6-8 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark gray/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Barrier, specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Doing fairly well for being in a difficult to irrigate area. Looks better after nearby plants removed giving it more space.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea arborescens **Variety:** -0-
Cultivar: Annabelle **Family:** Saxifragaceae **Tsnum:** 83150
Common Name: Annabelle Smooth Hydrangea
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **Location:** E6

Observation Date of Plant: 9/28/2020

Plant Habit: Upright

Plant Height: 3 - 5 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 3 - 4 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Dies back to the ground each year but comes back vigorously. Seems to be colonizing the area.

Observation Date of Flowers: 7/22/2004

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea arborescens **Variety:**
Cultivar: Jm 2004004 **Family:** Hydrangeaceae **Tsnum:** 06040
Common Name: Hydrangea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/21/2020
Plant Habit: Broad oval
Plant Height: 2-3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Would probably look better if not growing in too much shade from nearby plants.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea arborescens **Variety:**
Cultivar: NCHA3 **Family:** Hydrangeaceae **Tsnum:** 19071
Common Name: Invincibelle® Ruby Smooth Hydrangea
Source: Proven Winners/Spring Mead **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/28/2020
Plant Habit: Young undefined
Plant Height: 1 ft
Plant Width: 2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers: 9/21/2020
Flower Color: Red white
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 20%
Bloom Stage: Past peak
Comments on Flowers: Impressive flower color

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea arborescens **Variety:**
Cultivar: SMHAMWM' **Family:** Hydrangeaceae **Tsnum:** 18051
Common Name: Seaside Serenade® Bar Harbor Hydrangea
Source: Monrovia Growers **Quantity observed:** 1 **Location:** D6

Observation Date of Plant: 9/21/2020

Plant Habit: Round

Plant Height: 2 ft

Plant Width: 2-3 ft.

Current Seasons Growth: 12-18 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018.

Observation Date of Flowers: 9/21/2020

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 20%

Bloom Stage: Past peak

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Endless Summer **Family:** Hydrangeaceae **Tsnum:** 03120
Common Name: Endless Summer Hydrangea
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** D7

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 2-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: May require a lot more irrigation or sunlight. No flowers in 2010, 2012, 2014, 2018 or 2020. Few flowers in 2016. Slightly chlorotic.

Observation Date of Flowers: 9/1/2004

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 0-10%

Bloom Stage: Flowers open

Comments on Flowers: No sign of flowering in 2012.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Glowering Embers **Family:** Hydrangeaceae **Tsnum:** 12019
Common Name: Glowing Embers Hydrangea
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** D6

Observation Date of Plant: 9/21/2020

Plant Habit: Upright

Plant Height: 1-3 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair fo good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. No blooms in 2018 or 2020 - may be in too much shade. One of two plants has a lot more vigor than second plant.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Hot Rod 01-14 **Family:** Hydrangeaceae **Tsnum:** 17079
Common Name: Hot Rod Hydrangea
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/21/2020

Plant Habit: Young, undefined

Plant Height: 1 ft.

Plant Width: 2 ft.

Current Seasons Growth: 1 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2018. Slow to gain size and vigor. May require more irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Monmar **Family:** Hydrangeaceae **Tsnum:** 16007
Common Name: Blue Enchantress Hydrangea
Source: Monrovia Growers **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/28/2020
Plant Habit: Young undefined
Plant Height: 2-3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2016 .

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Nikko Blue **Family:** Hydrangeaceae **Tsnum:** 12027
Common Name: Nikko Blue Hydrangea
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** D7

Observation Date of Plant: 9/28/2020
Plant Habit: Round
Plant Height: 2-3 ft.
Plant Width: 3-4ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012. No sign of flowers since planting - may need more sun.

Observation Date of Flowers: 10/1/2012
Flower Color: Purple/blue
Flower Type: Cluster
Flower Effect: Very showy
% of Flower Coverage: 70-80%
Bloom Stage: Past peak
Comments on Flowers: Very showy despite color fade from original color

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: Penny Mac **Family:** Hydrangeaceae **Tsnum:** 15102
Common Name: Penny Mac Hydrangea
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** D6

Observation Date of Plant: 9/21/2020
Plant Habit: Young undefined
Plant Height: 1-2 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 1 ft.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2016. No blooms in 2018 or 2020 - may be in too much shade from nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea macrophylla **Variety:**
Cultivar: PIIHM-I **Family:** Hydrangeaceae **Tsnum:** 10111
Common Name: Twist-N-Shout Hydrangea
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/21/2020
Plant Habit: Upright, irregular
Plant Height: 2-3 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012. Hasn't had any flowers yet. May look better and grow larger if in full sun.

Observation Date of Flowers: 10/1/2012

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 15-20%

Bloom Stage: Past peak

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Bokrathirteen **Family:** Hydrangeaceae **Tsnum:** 12110
Common Name: Sweet Summer Hydrangea
Source: Ball Horticultural Company **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/28/2020

Plant Habit: Irregular, broad

Plant Height: 3 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Shrub border

Overall Plant Health: Fair

Fruit Present: none

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2013. Moderately chlorotic. Lacks vigor. No blooms in 2018 may be in too much shade.

Observation Date of Flowers: 9/25/2014

Flower Color: White with pink blush

Flower Type: Cluster

Flower Effect: fair

% of Flower Coverage: 15%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Bombshell **Family:** Hydrangeaceae **Tsnum:** 12108
Common Name: Bombshell Hydrangea
Source: Ball Horticultural Company **Quantity observed:** 2 **Location:** D7

Observation Date of Plant: 9/21/2020

Plant Habit: Young, undefined

Plant Height: 2-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Slowly getting established. Would probably have better vigor if growing in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Bulk **Family:** Hydrangaceae **Tsnum:** 14010
Common Name: Quick Fire Hydrangea
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** D7, F7

Observation Date of Plant: 9/21/2020

Plant Habit: Upright oval

Plant Height: 4-5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 8-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, patio tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: One plant has 20-30% of canopy dead

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015 and another in 2016.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Bulk **Family:** Hydrangeaceae **Tsnum:** 10027
Common Name: Quick Fire™ Hydrangea - Tree Form
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** F6

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval
Plant Height: 4-5 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in 2011. Would probably look better in a site with more irrigation.

Observation Date of Flowers: 8/25/2014
Flower Color: Pink blush
Flower Type: cluster
Flower Effect: Very good
% of Flower Coverage: 70-80%
Bloom Stage: Full bloom
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: DVPinky **Family:** Hydrangaceae **Tsnum:** 14011
Common Name: Pinky Winky Hydrangea
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** D7, F7

Observation Date of Plant: 9/21/2020
Plant Habit: Upright, irregular
Plant Height: 5-6 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, patio tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate on one plant (30% of canopy)
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2015. One of three planted in full sun flowered. One of three had 50% dieback that was removed in 2020.

Observation Date of Flowers: 8/31/2016
Flower Color: dark pink with a little white
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 50-60%
Bloom Stage: Peak bloom
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Le Vesterival **Family:** Hydrangeaceae **Tsnum:** 12060
Common Name: Great Star Hydrangea
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** D7

Observation Date of Plant: 9/21/2020
Plant Habit: Irregular, upright
Plant Height: 3-5 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Too much shade from nearby plants

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012. Died almost to ground the first winter otherwise has done fair since.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Lime Light **Family:** Hydrangeaceae **Tsnum:** 05087
Common Name: Lime Light Hydrangea
Source: Proven Winners **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2007. Impressive show late in season.

Observation Date of Flowers: 9/25/2014
Flower Color: White/light green with fantastic pink blush
Flower Type: cluster
Flower Effect: Excellent
% of Flower Coverage: 60-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Limelight **Family:** Hydrangaceae **Tsnum:** 14012
Common Name: Limelight Hydrangea
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** D7, F6

Observation Date of Plant: 9/21/2020
Plant Habit: Upright, irregular
Plant Height: 5-7 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 12-24 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, patio tree

Overall Plant Health: Fair
Fruit Present: none
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Had about 25% twig dieback last winter.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: PI 479427 **Family:** Hydrangeaceae **Tsnum:** 15100
Common Name: Panicle Hydrangea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** D7

Observation Date of Plant: 9/21/2020
Plant Habit: Broad oval
Plant Height: 3-4 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2016. Would probably look better if growing in full sun.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Quick Fire **Family:** Hydrangeaceae **Tsnum:** 05088
Common Name: Quick Fire Hydrangea
Source: Proven Winners **Quantity observed:** 2 **Location:** D7, D8

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval becoming round
Plant Height: 3-4 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2007.

Observation Date of Flowers: 8/20/2014
Flower Color: Fading to pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 25.00%
Bloom Stage: Past peak
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Rendia **Family:** Hydrangeaceae **Tsnum:** 17087
Common Name: First Editions Diamond Rouge Hydrangea
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** HC

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval becoming round
Plant Height: 2-3 ft
Plant Width: 2-3 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: none

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. Had a lot of winter dieback in 2020-2021 but recovered well in the summer.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Rendia **Family:** Hydrangeaceae **Tsnum:** 16081
Common Name: First Editions Diamond Rouge Hydrangea
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** D6

Observation Date of Plant: 9/21/2020
Plant Habit: Broad oval
Plant Height: 2 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 12-18n.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Vigor is a little low with a thin canopy - may be in too much shade.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Renhy **Family:** Hydrangeaceae **Tsnum:** 10112
Common Name: Vanilla Strawberry Hydrangea
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval or irregular
Plant Height: 3-4 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 10-20 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Tends to lodge due to weight of large blooms and overhead irrigation.

Observation Date of Flowers: 8/31/2016
Flower Color: Mostly white maturing to dark rose/pink
Flower Type: cluster
Flower Effect: Excellent
% of Flower Coverage: 50%
Bloom Stage: Full bloom
Comments on Flowers: Very showy

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Renhy **Family:** Hydrangeaceae **Tsnum:** 17095
Common Name: Vanilla Strawberry™ Hydrangea
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **Location:** D6,7

Observation Date of Plant: 9/21/2020

Plant Habit: Broad oval

Plant Height: 3 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. May have better vigor in full sun.

Observation Date of Flowers: 9/30/2018

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 20.00%

Bloom Stage: Full bloom

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Tardiva **Family:** Hydrangeaceae **Tsnum:** 98123
Common Name: Tardiva Panicle Hydrangea
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** E6, F6

Observation Date of Plant: 9/28/2020

Plant Habit: Broad oval

Plant Height: 4-6 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 12-18 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Showy blooms. Has slight chlorosis. Accumulating some dead twigs on tips from unknown cause.

Observation Date of Flowers: 8/29/2016

Flower Color: White with pink blush

Flower Type: cluster

Flower Effect: Excellent

% of Flower Coverage: 50-75%

Bloom Stage: Flowers open

Comments on Flowers: Dependable for a good display of color.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 9/23/2004

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Unique **Family:** Hydrangeaceae **Tsnum:** 09052
Common Name: Unique Late Pannicle Hydrangea
Source: Carlton Plants **Quantity observed:** 2 **Location:** D7, E7

Observation Date of Plant: 9/21/2020

Plant Habit: Broad oval

Plant Height: 3-5 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 12-24 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010 and another in 2012.

Observation Date of Flowers: 9/15/2016

Flower Color: White with pink blush

Flower Type: cluster

Flower Effect: Good

% of Flower Coverage: 50%

Bloom Stage: Past peak

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea paniculata **Variety:**
Cultivar: Wims Red **Family:** Hydrangeaceae **Tsnum:** 12109
Common Name: Fire & Ice Hydrangea
Source: Ball Horticultural Company **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/21/2020
Plant Habit: Irregular
Plant Height: 3-5 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border, specimen

Overall Plant Health: Good
Fruit Present: none
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2013.

Observation Date of Flowers: 9/21/2020
Flower Color: Rose pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 5%
Bloom Stage: Flowers open
Comments on Flowers: May flower better if in full sun.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea quercifolia **Variety:**
Cultivar: Ice Crystal **Family:** Hydrangeaceae **Tsnum:** 12111
Common Name: Ice Crystal Oakleaf Hydrangea
Source: Ball Horticultural Company **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/28/2020

Plant Habit: Young, undefined

Plant Height: 2-3 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Shrub border, specimen

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Vigor is low, may be in too much shade.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Hydrangea serrata **Variety:**
Cultivar: Blue Bird **Family:** Hydrangaceae **Tsnum:** 06064
Common Name: Blue Bird Hydrangea
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/21/2020
Plant Habit: Broad oval
Plant Height: 3-4 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has slight chlorosis.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Indigofera kirilowii **Variety:**
Cultivar: **Family:** Papilionoidae **Tsnum:** 02017
Common Name: Kirilow Indigo
Source: Sjulín Nurseries **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 10/5/2020
Plant Habit: Round
Plant Height: 3-4 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 2-3 ft.

Foliage Color: Light to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Top is not hardy - will always need to cut to ground each winter.

Observation Date of Flowers: 6/5/2006
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 50-70%
Bloom Stage: Flowers open
Comments on Flowers: Flowers are in long panicles that are very showy.

Fall Color or Fruit: Fall color **Date of observation:** 9/26/2006
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: *Itea virginica* **Variety:**
Cultivar: HG x SE 01-09 **Family:** *Iteaceae* **Tsnum:** 18162
Common Name: First Editions® Love Child™ Sweetspire
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** G3

Observation Date of Plant: 9/17/2021

Plant Habit: Young, undefined

Plant Height: 3-6 in.

Plant Width: 6-12 in

Current Seasons Growth: 4 in

Foliage Color: Medium green turning to red

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2018. Only three with small signs of life. Did not seem to survive winter well.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Jamesia americana **Variety:**
Cultivar: **Family:** Hydrangeaceae **Tsnum:** 03161
Common Name: Wax Flower
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** G2

Observation Date of Plant: 9/17/2021

Plant Habit: Upright oval to round

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, native planting, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2003.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juglan regia **Variety:**
Cultivar: Carpathian **Family:** Juglandaceae **Tsnum:** 03035
Common Name: Carpathian English Walnut
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** C3

Observation Date of Plant: 9/14/2021

Plant Habit: Upright oval

Plant Height: 12-18 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Shade tree, wildlife

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juglans cinerea **Variety:** -0-
Cultivar: -0- **Family:** Juglandaceae **Tsnum:** 78175
Common Name: Butternut
Source: Western Evergreen Nursery **Quantity observed:** 1 **Location:** C5

Observation Date of Plant: 9/14/2021
Plant Habit: Round to broad oval, multistem
Plant Height: 30-40 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, large shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Appears to be recovering from old canker although decay is taking over on wounded areas. Old cankers are very extensive and unattractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juglans mandshurica **Variety:** -0-
Cultivar: -0- **Family:** Juglandaceae **Tsnum:** 78176
Common Name: Manchurian Walnut
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** C4

Observation Date of Plant: 9/14/2021

Plant Habit: Broad oval to round

Plant Height: 40-50 ft.

Plant Width: 60-70 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A little wet wood forming around old branch removals. Growth habit may be wider if not crowded by neighboring plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juglans nigra **Variety:**
Cultivar: Sauber **Family:** Juglandaceae **Tsnum:** 07086
Common Name: Sauber Black Walnut
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** C4

Observation Date of Plant: 9/14/2021
Plant Habit: Young, undefined
Plant Height: 5-7 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Shade tree, wildlife

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2013. Growth habit is a little irregular due to being in lathhouse too long but gaining vigor now. Would probably have improved vigor and appearance in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:**
Cultivar: Admiral **Family:** Cupressaceae **Tsnum:** 84171
Common Name: Admiral Chinese Juniper
Source: American Nursery Product/Mi **Quantity observed:** 1 **Location:** F13

Observation Date of Plant: 10/7/2020
Plant Habit: Pyramidal becoming irregular
Plant Height: 20-27 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair
Fruit Present: Moderate amount of fruit, showy
Fruit Color: Blue
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Growth habit somewhat deformed due to snow in 2003. Canopy is a little thin at top.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:**
Cultivar: Daub's Frosted **Family:** Cupressaceae **Tsnum:** 03152
Common Name: Daub's frosted Juniper
Source: Monrovia Growers **Quantity observed:** 1 **Location:** D12

Observation Date of Plant: 9/28/2020

Plant Habit: Spreading

Plant Height: 3-4 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Yellow on new stems/green on older foliage

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Growth habit is attractive and uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Fruitlandii **Family:** Cupressaceae **Tsnum:** 87168
Common Name: Fruitland Chinese Juniper
Source: Monrovia Growers **Quantity observed:** 1 **Location:** G12

Observation Date of Plant: 10/7/2020
Plant Habit: Spreading
Plant Height: 4-5 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Good
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Holbert **Family:** Cupressaceae **Tsnum:** 88195
Common Name: Holbert Chinese Juniper
Source: Hines Nursery **Quantity observed:** 3 **Location:** G10, G11

Observation Date of Plant: 10/7/2020
Plant Habit: Spreading
Plant Height: 3-4 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Gray/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Ground cover, Specimen, Xeriscape, Shrub border

Overall Plant Health: Good
Fruit Present: Moderate amount of fruit
Fruit Color: Blue
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Has become huge spreader without pruning.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:**
Cultivar: Iowa **Family:** Cupressaceae **Tsnum:** 15109
Common Name: Iowa Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **Location:** E13, E14

Observation Date of Plant: 10/5/2020

Plant Habit: Narrow pyramid

Plant Height: 4-6 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 4-8 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Shrub border, screen , xeric landscape

Overall Plant Health: Fair

Fruit Present: Abundant, attractive

Fruit Color: Medium green

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015. Two of three trees have low vigor from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:**
Cultivar: Kallays Compacta **Family:** Cupressaceae **Tsnum:** 00022
Common Name: Kallay Pfitzer Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** G10

Observation Date of Plant: 10/7/2020

Plant Habit: Spreading

Plant Height: 3-5 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Ground cover, Xeriscape, Shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Keteleeri **Family:** Cupressaceae **Tsnum:** 78181
Common Name: Keteleer Chinese Juniper
Source: American Nursery Product/Mi **Quantity observed:** 1 **Location:** F13

Observation Date of Plant: 10/7/2020

Plant Habit: Pyramidal

Plant Height: 30-35 ft.

Plant Width: 25-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape

Overall Plant Health: Good

Fruit Present: Moderate amount

Fruit Color: Gray

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little open but still looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Mint Julep **Family:** Cupressaceae **Tsnum:** 87169
Common Name: Mint Julep Chinese Juniper
Source: Monrovia Growers **Quantity observed:** 1 **Location:** G13

Observation Date of Plant: 10/8/2020

Plant Habit: Spreading

Plant Height: 4 - 6 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Blue with white haze on surface

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is rich and vibrant.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:**
Cultivar: Perfecta **Family:** Cupressaceae **Tsnum:** 17099
Common Name: Perfecta Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **Location:** D13

Observation Date of Plant: 9/28/2020
Plant Habit: Narrow pyramid
Plant Height: 6-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Robusta Green **Family:** Cupressaceae **Tsnum:** 78182
Common Name: Robusta Green Chinese Juniper
Source: Bath Nursery **Quantity observed:** 1 **Location:** D13

Observation Date of Plant: 9/28/2020

Plant Habit: Irregular, upright

Plant Height: 12-18 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Ground cover, xeriscape, shrub border

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Gray

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: marginal

Comments on plant: Has a very open growth habit. Central leader seems to have twisted and flopped to the side probably due to past snow load. Growth habit is very open but has a lot of character. Vigor is low due to crowding by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: San Jose **Family:** Cupressaceae **Tsnum:** 86214
Common Name: San Jose Chinese Juniper
Source: Monrovia Growers **Quantity observed:** 1 **Location:** F12

Observation Date of Plant: 10/6/2020
Plant Habit: Spreading
Plant Height: 3 - 4 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Ground cover, Xeriscape, Shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Nice mounded growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** pfitzeriana
Cultivar: Sarcoxie Compactum **Family:** Cupressaceae **Tsnum:** 78183
Common Name: Sarcoxie Compact Pfitzer Juniper
Source: Sarcoxie Nurseries Inc. **Quantity observed:** 1 **Location:** D13

Observation Date of Plant: 9/28/2020
Plant Habit: Spreading
Plant Height: 5-7 ft.
Plant Width: 20-30 ft
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has become enormous after 40 years. Too big for most landscapes without regular pruning.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Sea Green **Family:** Cupressaceae **Tsnum:** 88196
Common Name: Sea Green Chinese Juniper
Source: Hines Nursery **Quantity observed:** 3 **Location:** G11

Observation Date of Plant: 10/7/2020

Plant Habit: Spreading

Plant Height: 4 - 6 ft.

Plant Width: 15 - 20 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Requires a large area or regular pruning. Foliage has become dense and tufted but still looks very good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** densaerecta
Cultivar: Spartan **Family:** Cupressaceae **Tsnum:** 89097
Common Name: Spartan Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** G10

Observation Date of Plant: 10/7/2020

Plant Habit: Pyramidal/irregular

Plant Height: 15-20 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Good

Fruit Present: Abundant amount of fruit

Fruit Color: Purple with gray haze

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is a nice rich green and fairly dark. One of the showier junipers for fruit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis **Variety:** -0-
Cultivar: Spearmint **Family:** Cupressaceae **Tsnum:** 88198
Common Name: Spearmint Chinese Juniper
Source: Hines Nursery **Quantity observed:** 2 **Location:** G13, G12

Observation Date of Plant: 10/7/2020
Plant Habit: Pyramidal becoming more round
Plant Height: 15-20 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Moderate amount, showy.
Fruit Color: Blue/gray
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Foliage is a rich green color. Some branches on one of two trees seem to have twisting needles from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus chinensis pfitzeriana **Variety:**
Cultivar: Gold Lace **Family:** Cupressaceae **Tsnum:** 98090
Common Name: Gold Lace Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** D12

Observation Date of Plant: 9/28/2020
Plant Habit: Spreading
Plant Height: 3-4 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Yellow strongest at tips then medium green throughout the rest of the plant
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Foliage is very bright and attractive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus communis **Variety:**
Cultivar: Montana Spreader **Family:** Cupressaceae **Tsnum:** 11116
Common Name: Common Juniper
Source: Plant Select **Quantity observed:** 1 **Location:** G3

Observation Date of Plant: 9/17/2021

Plant Habit: Spreading

Plant Height: 8-16 in.

Plant Width: 5-7 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Green with blue grey on top edge of needles. Tips are lighter green.

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus davurica **Variety:**
Cultivar: Expansa **Family:** Cupressaceae **Tsnum:** 96095
Common Name: Parson's Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** G10

Observation Date of Plant: 10/7/2020
Plant Habit: Spreading
Plant Height: 3-5 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green with a little shade of blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus horizontalis **Variety:**
Cultivar: BelDak **Family:** Cupressaceae **Tsnum:** 13091
Common Name: Prairies Mist Juniper
Source: Alta Nursery **Quantity observed:** 1 **Location:** D12

Observation Date of Plant: 9/28/2020

Plant Habit: Spreading

Plant Height: 4-8 in.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Blue gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, xeriscape

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Vigor is low from unknown cause but could be because of ant hill in middle of shrub.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO

Scientific Name: Juniperus horizontalis **Variety:**
Cultivar: MeDak **Family:** Cupressaceae **Tsnum:** 13092
Common Name: MeDak
Source: Alta Nursery **Quantity observed:** 1 **Location:** D12

Observation Date of Plant: 9/28/2020

Plant Habit: Spreading

Plant Height: 4-8 in.

Plant Width: 3-4 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green with gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, xeriscape

Overall Plant Health: Fair

Fruit Present: Few

Fruit Color: Gray almost white

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Dying out in center possibly from ant hill.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Arcadia **Family:** Cupressaceae **Tsnum:** 86216
Common Name: Arcadia Savin Juniper
Source: Monrovia Growers **Quantity observed:** 1 **Location:** F12

Observation Date of Plant: 10/6/2020
Plant Habit: Spreading
Plant Height: 5 - 7 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Fruit Present: Few

Fruit Color: Blue

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is slowing and canopy thinning from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Blue Danube **Family:** Cupressaceae **Tsnum:** 87160
Common Name: Blue Danube Savin Juniper
Source: Oregon Garden Products **Quantity observed:** 2 **Location:** F11

Observation Date of Plant: 10/6/2020

Plant Habit: Spreading

Plant Height: 4 - 6 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Predominantly green but with a moderate shade of blue

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Ground cover, xeriscape, shrub border

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Shade from nearby trees

Nuisances:

Recommended: Yes

Comments on plant: Crowding out neighboring plants. Needs lots of space or regular pruning. Some parts look like canopy is thinning due to shade from nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus sabina **Variety:** -0-
Cultivar: Mini Arcadia **Family:** Cupressaceae **Tsnum:** 88131
Common Name: Mini Arcadia Savin Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **Location:** F12

Observation Date of Plant: 10/6/2020

Plant Habit: Spreading

Plant Height: 2 ft.

Plant Width: 15-20 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Excellent

Landscape Uses: Ground cover, Specimen, Shrub border

Overall Plant Health: Excellent

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Much more attractive form than J. 'Arcadia'. Growth habit is dense and bushy but very uniform even after 30 years. Foliage is a very nice rich green color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus sabina **Variety:**
Cultivar: Pepin **Family:** Cupressaceae **Tsnum:** 03130
Common Name: Pepin Savin Juniper
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D12

Observation Date of Plant: 9/28/2020
Plant Habit: Spreading
Plant Height: 3-4 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Gray/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:**
Cultivar: Bailigh **Family:** Cupressaceae **Tsnum:** 18054
Common Name: Sky High Juniper
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** G12, G13

Observation Date of Plant: 10/7/2020
Plant Habit: Narrow pyramidal
Plant Height: 4-6 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Gray

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Color is very bright blue gray.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:**
Cultivar: 'Blue Arrow' **Family:** Cupressaceae **Tsnum:** 18031
Common Name: Blue Arrow Juniper
Source: Monrovia Growers **Quantity observed:** 2 **Location:** G13

Observation Date of Plant: 10/8/2020
Plant Habit: Columnar
Plant Height: 4-6 ft.
Plant Width: 1 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Blue Haven **Family:** Cupressaceae **Tsnum:** 81271
Common Name: Blue Haven Rocky Mtn. Juniper
Source: Wilmore Nurseries **Quantity observed:** 1 **Location:** F13

Observation Date of Plant: 10/7/2020
Plant Habit: Pyramidal to upright oval
Plant Height: 15-20 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 6 - 10 in.

Foliage Color: Blue
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Very nice foliage color.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:**
Cultivar: Blue Trail **Family:** Cupressaceae **Tsnum:** 08046
Common Name: Blue Trail Juniper
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** G12

Observation Date of Plant: 10/7/2020
Plant Habit: Narrow pyramidal
Plant Height: 7-10 ft.
Plant Width: 4-7 ft.
Current Seasons Growth: 5-8 in.

Foliage Color: Blue/gray
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, screen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Slow to establish since it is planted at edge of arboretum where irrigation is less u

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. One of two looks good but the second tree looks like it is still struggling from unknown cause. Largest tree lost top third of canopy from storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Cologreen **Family:** Cupressaceae **Tsnum:** 87111
Common Name: Cologreen Rocky Mountain Juniper
Source: Zelenka Nursery **Quantity observed:** 1 **Location:** G13

Observation Date of Plant: 10/8/2020
Plant Habit: Pyramidal
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Gray
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Cupressifolia **Family:** Cupressaceae **Tsnum:** 81282
Common Name: Rocky Mtn. Juniper
Source: South Dakota State University **Quantity observed:** 2 **Location:** D14, F13

Observation Date of Plant: 9/28/2020
Plant Habit: Pyramidal becoming upright oval
Plant Height: 30-37 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Gray
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Bottom branches getting shaded out.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Gray Gleam **Family:** Cupressaceae **Tsnum:** 78193
Common Name: Gray Gleam Rocky Mountain Juniper
Source: Bath Nursery **Quantity observed:** 2 **Location:** F14

Observation Date of Plant: 10/7/2020

Plant Habit: Pyramidal

Plant Height: 15-20 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 4-6 in.

Foliage Color: Gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests: Scale on needles

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Great color and form except for some snow load damage in 2003. Scale sapping vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Macfarlane **Family:** Cupressaceae **Tsnum:** 81272
Common Name: Macfarlane Rocky Mtn. Juniper
Source: Denver Botanic Gardens **Quantity observed:** 2 **Location:** D14

Observation Date of Plant: 9/28/2020

Plant Habit: Columnar

Plant Height: 30-36 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, screen, narrow areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is very uniform and impressive. Lower branches got shaded out when crowded by nearby plants in past.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Medora **Family:** Cupressaceae **Tsnum:** 86219
Common Name: Medora Rocky Mountain Juniper
Source: Monrovia Growers **Quantity observed:** 2 **Location:** G9

Observation Date of Plant: 10/7/2020
Plant Habit: Columnar or narrowly pyramidal
Plant Height: 18-22 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6 - 10 in.

Foliage Color: Gray/blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deformed by snow load in 2003 but looks okay now.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Medora **Family:** Cupressaceae **Tsnum:** 87170
Common Name: Medora Rocky Mountain Juniper
Source: Monrovia Growers **Quantity observed:** 1 **Location:** G12

Observation Date of Plant: 10/7/2020

Plant Habit: Pyramidal

Plant Height: 10-15 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, xeriscape, shrub border, screen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has slight deformity from past snow damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:**
Cultivar: Moonglow **Family:** Cupressaceae **Tsnum:** 15078
Common Name: Moonglow Juniper
Source: Monrovia Growers **Quantity observed:** 3 **Location:** E13, F14

Observation Date of Plant: 10/5/2020
Plant Habit: Columnar or narrow pyramidal
Plant Height: 5-7 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Silver/blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, screen, xeric landscape

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015. Has nice silver blue foliage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Pathfinder **Family:** Cupressaceae **Tsnum:** 83170
Common Name: Pathfinder Rocky Mountain Juniper
Source: Zelenka Nursery **Quantity observed:** 1 **Location:** F14

Observation Date of Plant: 10/7/2020

Plant Habit: Pyramidal

Plant Height: 12-18 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Gray

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Gray

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deformed by snow load in 2003.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:**
Cultivar: Sister Twister **Family:** Cupressaceae **Tsnum:** 17213
Common Name: Sister Twister Juniper
Source: FCWN **Quantity observed:** 1 **Location:** D13

Observation Date of Plant: 9/28/2020
Plant Habit: Weeping
Plant Height: 6-7 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Gray green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Gray
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. Vandals almost pushed it out of the ground in 2020.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Sutherland **Family:** Cupressaceae **Tsnum:** 89099
Common Name: Sutherland Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **Location:** G9

Observation Date of Plant: 10/7/2020
Plant Habit: Pyramidal to irregular/round as it matures.
Plant Height: 10-15 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Moderate amount of fruit
Fruit Color: Gray/blue
Insect Pests:

Pest Severity:
Plant Disease: Galls
Disease Severity: Slight injury

Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Deformed by snow load spring of 2003 but looks okay now. Might be taller if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Tollison Weeping **Family:** Cupressaceae **Tsnum:** 78192
Common Name: Tollison Weeping Rocky Mountain Juniper
Source: Bath Nursery **Quantity observed:** 2 **Location:** D13

Observation Date of Plant: 9/28/2020
Plant Habit: Pyramidal to upright oval, weeping
Plant Height: 30-35 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Gray/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Top broke out in one of two trees by Spring snow in 2003. Makes a good character plant for the landscape due to the weeping growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Welchii **Family:** Cupressaceae **Tsnum:** 84173
Common Name: Welch Rocky Mountain Juniper
Source: American Nursery Product/Mi **Quantity observed:** 1 **Location:** F12

Observation Date of Plant: 10/7/2020

Plant Habit: Irregular, upright

Plant Height: 15-20 ft.

Plant Width: 15-20 ft

Current Seasons Growth: 6 - 12 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Gray

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Deformed by snow load in 2003. Very misshapen but starting to look acceptable.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Winter Blue **Family:** Cupressaceae **Tsnum:** 83348
Common Name: Winter Blue Rocky Mountain Juniper
Source: Unknown **Quantity observed:** 2 **Location:** F12, F13

Observation Date of Plant: 9/14/2020
Plant Habit: Spreading
Plant Height: 5-8 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Blue/gray
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Gray

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has intense gray foliage color. Gets very large over time.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus scopulorum **Variety:** -0-
Cultivar: Woodward Columnar **Family:** Cupressaceae **Tsnum:** 81296
Common Name: Woodward Columnar Rocky Mtn. Juniper
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** D14

Observation Date of Plant: 9/28/2020

Plant Habit: Columnar

Plant Height: 30-37 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, screen, xeriscape

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Similar to J. 'MacFarlane' except it seem taller and thinner. Excellent, uniform growth habit requires no pruning. Lower branches getting shaded out by nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus squamata **Variety:**
Cultivar: **Family:** Cupressaceae **Tsnum:** 18055
Common Name: Blue Star Singleseed Juniper
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** D13

Observation Date of Plant: 9/28/2020
Plant Habit: Spreading
Plant Height: 8-10 in.
Plant Width: 1-2 ft.
Current Seasons Growth: 2-3 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus squamata **Variety:** -0-
Cultivar: Parsonii **Family:** Cupressaceae **Tsnum:** 82181
Common Name: Parson's Singleseed Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** E14

Observation Date of Plant: 10/5/2020
Plant Habit: Spreading
Plant Height: 3-5 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Blue green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Ground cover, Xeriscape, Shrub border

Overall Plant Health: Fair to good
Fruit Present: Few fruit
Fruit Color: Gray
Insect Pests:
Pest Severity:
Plant Disease: Possible juniper blight starting
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:** -0-
Cultivar: Burkii **Family:** Cupressaceae **Tsnum:** 88200
Common Name: Burk Eastern Red Cedar
Source: Hines Nursery **Quantity observed:** 1 **Location:** G11

Observation Date of Plant: 10/7/2020
Plant Habit: Pyramidal
Plant Height: 15-20 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Gray
Bark Characteristics: Not very important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape

Overall Plant Health: Fair
Fruit Present: Moderate amount of fruit
Fruit Color: Gray
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Canopy isn't very dense.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:**
Cultivar: Canaerti **Family:** Cupressaceae **Tsnum:** 17102
Common Name: Canaerti Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **Location:** F13, F14

Observation Date of Plant: 10/7/2020
Plant Habit: Narrow pyramid
Plant Height: 4-6 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, screen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:**
Cultivar: Cry Baby **Family:** Cupressaceae **Tsnum:** 18168
Common Name: Cry Baby Juniper
Source: FCWN **Quantity observed:** 2 **Location:** E13

Observation Date of Plant: 10/5/2020
Plant Habit: Weeping
Plant Height: 3-5 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 5-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in too much shade in lathhouse

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Vigor is low from being in too much shade in lathhouse prior to planting.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:** cupressifolia
Cultivar: Hillspire **Family:** Cupressaceae **Tsnum:** 78196
Common Name: Hillspire Eastern Red Cedar
Source: Bath Nursery **Quantity observed:** 2 **Location:** F13

Observation Date of Plant: 10/7/2020
Plant Habit: Pyramidal
Plant Height: 20-30 ft.
Plant Width: 25-30 ft.
Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape

Overall Plant Health: Good
Fruit Present: Moderate amount of fruit
Fruit Color: Blue, showy
Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage has a nice rich green color and combines well with the fruit for an attractive overall appearance. Growth habit is somewhat irregular due to snow damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:** -0-
Cultivar: Manhattan Blue **Family:** Cupressaceae **Tsnum:** 78198
Common Name: Manhattan Blue Eastern Red Cedar
Source: Bath Nursery **Quantity observed:** 1 **Location:** D13

Observation Date of Plant: 9/28/2020
Plant Habit: Pyramidal
Plant Height: 35-45 ft
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, xeriscape

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Gray
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:** -0-
Cultivar: Sky Rocket **Family:** Cupressaceae **Tsnum:** 83161
Common Name: Sky Rocket Eastern Red Cedar
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** F14

Observation Date of Plant: 10/7/2020

Plant Habit: Irregular to pyramidal

Plant Height: 12-18 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Gray

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Susceptible to storm damage

Recommended: Yes

Comments on plant: Severely deformed by spring snow in 2003. Slowly regaining a decent appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:**
Cultivar: Taylor **Family:** Cupressaceae **Tsnum:** 15079
Common Name: Taylor Juniper
Source: Monrovia Growers **Quantity observed:** 1 **Location:** E13

Observation Date of Plant: 10/5/2020
Plant Habit: Columnar
Plant Height: 5-7 ft
Plant Width: 1-2 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Gray green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, screen, xeric landscape

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:**
Cultivar: Taylor **Family:** Cupressaceae **Tsnum:** 19054
Common Name: Taylor Eastern Redcedar
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** F13, F14

Observation Date of Plant: 10/7/2020
Plant Habit: Young, undefined
Plant Height: 3 ft.
Plant Width: 1 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, confined areas

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a

Comments on plant: Planted in 2019. Too soon to recommend. Having trouble getting established and looking stresses with some browning foliage.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus virginiana **Variety:**
Cultivar: Taylor **Family:** Cupressaceae **Tsnum:** 15119
Common Name: Taylor Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **Location:** DH

Observation Date of Plant: 8/10/2021
Plant Habit: Columnar
Plant Height: 8-12 ft.
Plant Width: 20-30 in.
Current Seasons Growth: 10-15 in

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen, hedge, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: All look very uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus x **Variety:**
Cultivar: J.N. Select Blue **Family:** Cupressaceae **Tsnum:** 14158
Common Name: Star Power Juniper
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** D13, E13

Observation Date of Plant: 9/28/2020
Plant Habit: Narrow pyramid
Plant Height: 8-10 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Blue green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, screen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2014. Vandals cut central leader from two of three trees in 2016.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus x **Variety:**
Cultivar: J.N. Select Blue **Family:** Cupressaceae **Tsnum:** 17101
Common Name: Star Power™ Juniper
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **Location:** E14

Observation Date of Plant: 10/5/2020
Plant Habit: Narrow pyramid
Plant Height: 4-6 ft
Plant Width: 2-3 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Gray green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Juniperus x **Variety:**
Cultivar: Prairie Spirit **Family:** Cupressaceae **Tsnum:** 13089
Common Name: Prairie Spirit Juniper
Source: Alta Nursery **Quantity observed:** 1 **Location:** D12

Observation Date of Plant: 9/28/2020

Plant Habit: Spreading

Plant Height: 8-12 in.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Reddish bronze winter color

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, xeriscape

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Blue/gray, showy

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Kerria japonica **Variety:** pleniflora
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 84117
Common Name: Japanese Kerria
Source: Sherman Nursery **Quantity observed:** 3 **Location:** C0

Observation Date of Plant: 9/13/2021
Plant Habit: Broad oval
Plant Height: 3-5 ft.
Plant Width: 7-10 ft
Current Seasons Growth: 15-30 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Moderately chlorotic and had a lot of dieback to remove from sudden, severe November 2014 freeze. May do better with more irrigation.

Observation Date of Flowers: 6/26/2006

Flower Color: Yellow

Flower Type: Single

Flower Effect: Fair to good

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Koelreuteria paniculata **Variety:**
Cultivar: **Family:** Sapindaceae **Tsnum:** 96092
Common Name: Golden Rain Tree
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/21/2020

Plant Habit: Round to irregular

Plant Height: 18-25 ft.

Plant Width: 20-30 ft

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: Abundant, interesting

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Inactive

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little lopsided due to past storm damage. Fruit is very ornamental.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 9/26/2006

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Koelreuteria paniculata **Variety:**
Cultivar: Coral Sun **Family:** Sapindaceae **Tsnum:** 15062
Common Name: Coral Sun Goldenrain Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C6

Observation Date of Plant: 8/31/2020
Plant Habit: Young, undefined
Plant Height: 5-8 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Light green/chartreuse
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Planted in 2015. Top 18 inches appear to have died this year from canker. The rest of the tree looks good.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:**
Aesthetics: Very good **Persistence:** 1-2 weeks
Fall Color: Red along margins

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Koelreuteria paniculata **Variety:**
Cultivar: Golden Candle **Family:** Sapindaceae **Tsnum:** 13024
Common Name: Golden Candle Golden Rain Tree
Source: Carlton Plants **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/21/2020

Plant Habit: Columnar

Plant Height: 8-12 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2014. Central leader died out from unknown cause and growth habit is less uniform but looking more columnar by 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Koelreuteria paniculata **Variety:**
Cultivar: JFS-sunleaf **Family:** Sapindaceae **Tsnum:** 19015
Common Name: Summerburst Goldenrain Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** D5

Observation Date of Plant: 9/21/2020

Plant Habit: Young, undefined

Plant Height: 7 ft.

Plant Width: 2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: none

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2019. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Kolkwitzia amabilis **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 81107
Common Name: Beautybush
Source: Monrovia Growers **Quantity observed:** 1 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Irregular, arching
Plant Height: 7-10 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 1 - 3 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Brown
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Growth habit isn't very uniform and looks leggy but flowers are impressive.

Observation Date of Flowers: 5/29/2006

Flower Color: Light Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-100%
Bloom Stage: Flowers open

Comments on Flowers: This plant is extremely showy when flowering.

Fall Color or Fruit: Fall color **Date of observation:** 9/23/2005
Aesthetics: Good **Persistence:** 2-4 weeks
Fall Color: dark red, purple, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Kolkwitzia amabilis **Variety:**
Cultivar: Pink Cloud **Family:** Caprifoliaceae **Tsnum:** 04006
Common Name: Pink Cloud Beauty Bush
Source: Carlton Plants **Quantity observed:** 2 **Location:** D7, D8

Observation Date of Plant: 9/21/2020
Plant Habit: Irregular, upright
Plant Height: 8-12 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 24-36 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Moderate amount, not showy
Fruit Color: Brown
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/29/2006
Flower Color: Light Pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-60%
Bloom Stage: Flowers open
Comments on Flowers: Should have more flowers as it becomes better established.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Larix decidua **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 82229
Common Name: European Larch
Source: Fort Collins Nursery **Quantity observed:** 2 **Location:** E8, E9

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal
Plant Height: 40-50 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needles have a very soft texture. Winter appearance isn't very attractive after needles fall off but it looks great in spring when bright green needles emerge.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Yellow

Date of observation: 10/19/2020
Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Larix kaempferi **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 91066
Common Name: Japanese Larix
Source: Washington Park Arboretum **Quantity observed:** 1 **Location:** E9

Observation Date of Plant: 9/29/2020

Plant Habit: Narrow, pyramidal

Plant Height: 25-30 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Canopy is a too thin to look good. Looks very leggy. May be a little too crowded by nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Larix kaempferi **Variety:**
Cultivar: Diana **Family:** Pinaceae **Tsnum:** 09135
Common Name: Diana Japanese Larch
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** E10, F9

Observation Date of Plant: 10/5/2020

Plant Habit: Upright, irregular

Plant Height: 8-12 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 5-8 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Twisted branches add considerable interest. Moved in fall of 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Larix sibirica **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 80115
Common Name: Siberian Larch
Source: USDA, Glendale, MD **Quantity observed:** 1 **Location:** E9

Observation Date of Plant: 9/29/2020
Plant Habit: Pyramidal
Plant Height: 24-30 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Bright yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ligustrum foliosum **Variety:** -0-
Cultivar: -0- **Family:** Oleoaceae **Tsnum:** 91065
Common Name: Privet
Source: Washington Park Arboretum **Quantity observed:** 1 **Location:** A8

Observation Date of Plant: 9/8/2021
Plant Habit: Upright oval to round
Plant Height: 4-6 ft.
Plant Width: 4-5 ft
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ligustrum amurense **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 85081
Common Name: Golden Hillside Privet
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **Location:** F6

Observation Date of Plant: 10/5/2020
Plant Habit: Broad oval
Plant Height: 6-8 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Yellow foliage on outer branches and medium green towards the inner branches.
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Dark purple
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Leaf color may be confused with chlorosis.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ligustrum ibota **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 81090
Common Name: Privet
Source: US Nat'l Arboretum **Quantity observed:** 3 **Location:** D7, E7

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval when young and becoming more rounded.
Plant Height: 10-15 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Green turning to purple
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Two of three rejuvenated in 2009.

Observation Date of Flowers: 6/5/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 20-40%
Bloom Stage: Flowers open
Comments on Flowers: Flowers are tiny and don't add a great deal of color. Fragrant.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ligustrum obtusifolium **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 81091
Common Name: Privet
Source: US Nat'l Arboretum **Quantity observed:** 2 **Location:** E8

Observation Date of Plant: 9/29/2020
Plant Habit: broad oval
Plant Height: 8 - 12 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Green turning to purple
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/5/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Comments on Flowers: Flowers are tiny and don't add a great deal of color. Fragrant.

Fall Color or Fruit: Fall color **Date of observation:** 10/1/2006
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ligustrum vulgare **Variety:**
Cultivar: Lodense **Family:** Oleaceae **Tsnum:** 06019
Common Name: Lodense Privet
Source: Carlton Plants **Quantity observed:** 1 **Location:** D8

Observation Date of Plant: 9/21/2020
Plant Habit: Round becoming broad oval
Plant Height: 4-5 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 6-9 in.

Foliage Color: Dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very attractive compact growth habit and smaller foliage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ligustrum vulgare **Variety:**
Cultivar: Swift **Family:** Oleaceae **Tsnum:** 17088
Common Name: First Editions Straight Talk Privet
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** D5

Observation Date of Plant: 9/21/2020
Plant Habit: Columnar
Plant Height: 5-6 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, hedge

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Growth habit is deformed by past snow.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ligustrum vulgare **Variety:**
Cultivar: Swift **Family:** Oleaceae **Tsnum:** 16082
Common Name: First Editions Straight Talk Privet
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** D6

Observation Date of Plant: 9/21/2020
Plant Habit: Columnar but deformed by past snow loads
Plant Height: 4-6 ft
Plant Width: 3 ft
Current Seasons Growth: 12-18 in

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, hedge

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ligustrum x vicaryi **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 07077
Common Name: Golden Vicary Privet
Source: Carlton Plants **Quantity observed:** 1 **Location:** E5

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval
Plant Height: 4-6 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Tips of stem are a light yellow/green hence the 'golden' part of the name but mostly green in September.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lindera benzoin **Variety:**
Cultivar: **Family:** Lauraceae **Tsnum:** 19050
Common Name: Spice Bush
Source: Forrest Keeling Nursery **Quantity observed:** 3 **Location:** F7

Observation Date of Plant: 10/5/2020
Plant Habit: Young, undefined
Plant Height: 3-4 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Liriodendron tulipifera **Variety:**
Cultivar: Auero-Marginata **Family:** Magnoliaceae **Tsnum:** 13025
Common Name: Majestic Beauty Tulip Tree
Source: Carlton Plants **Quantity observed:** 1 **Location:** E1

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Liriodendron tulipifera **Variety:**
Cultivar: JFA-Oz **Family:** Magnoliaceae **Tsnum:** 09016
Common Name: Emerald City Tuliptree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** E1, D1

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. This is a good looking tree with excellent vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Liriodendron tulipifera **Variety:**
Cultivar: Little Volunteer **Family:** Magnoliaceae **Tsnum:** 18061
Common Name: Little Volunteer Tulip Tree
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D1

Observation Date of Plant: 10/8/2020

Plant Habit: Young, undefined

Plant Height: 5-7 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera alpigena **Variety:**
Cultivar: 24598 **Family:** Caprifoliaceae **Tsnum:** 03027
Common Name: Alpine Honeysuckle
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** A12, B12

Observation Date of Plant: 8/26/2020
Plant Habit: Round
Plant Height: 3-5 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Cherry red
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Fruit looks very similar to a pie cherry but half as big. It is an interesting feature but is often hiding under foliage so not too showy. Attractive growth habit - more compact than most Lonicera.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera claveyi **Variety:** nana
Cultivar: Miniglobe **Family:** Caprifoliaceae **Tsnum:** 86158
Common Name: Miniglobe Clavey's Honeysuckle
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** A13

Observation Date of Plant: 8/26/2020

Plant Habit: Round to broad oval

Plant Height: 2-3 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 3-4 in.

Foliage Color: Medium blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: In the past these had a nice dense growth habit and were very attractive. Would look much better with more sunlight.

Observation Date of Flowers: 5/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Comments on Flowers: Few flowers - not very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera fragrantissima **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 95004
Common Name: Winter Honeysuckle
Source: Sherman Nursery **Quantity observed:** 1 **Location:** A12

Observation Date of Plant: 8/26/2020
Plant Habit: Round
Plant Height: 3-5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: May be grown in too much shade .
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2002. Canopy is thin and leggy - may do better in a sunnier site.

Observation Date of Flowers: 3/27/2012
Flower Color: white
Flower Type: Cluster
Flower Effect: Poor
% of Flower Coverage: 20-30%
Bloom Stage: Flowers open
Comments on Flowers: Very nice fragrance but very few.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera involucrata **Variety:** -0-
Cultivar: Flavescens **Family:** Caprifoliaceae **Tsnum:** 83023
Common Name: Twinberry
Source: Blardy Experiment Farm **Quantity observed:** 1 **Location:** A13

Observation Date of Plant: 8/28/2020

Plant Habit: Round to broad oval

Plant Height: 10-14 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Poor

Fruit Present: Few fruit

Fruit Color: Red turning to brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Seems to be in a decline with a thin canopy and dieback. Will try rejuvenation pruning

Observation Date of Flowers: 5/19/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-95%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera korolkowii **Variety:** -0-
Cultivar: Floribunda **Family:** Caprifoliaceae **Tsnum:** 81316
Common Name: Blueleaf Honeysuckle
Source: USDA, Cheyenne **Quantity observed:** 2 **Location:** A12, A13

Observation Date of Plant: 8/26/2020

Plant Habit: Arching

Plant Height: 7-10 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Moderate amount

Fruit Color: Orange/Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Great leaf color. Rejuvenated in 2007 but slow to regain form probably due to increased shade since original planting. Looks a little leggy. Would look better in full sun.

Observation Date of Flowers: 5/26/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera korolkowii floribunda **Variety:**
Cultivar: Blue Velvet **Family:** Caprifoliaceae **Tsnum:** 97261
Common Name: Blue Velvet Honeysuckle
Source: Fort Collins Nursery **Quantity observed:** 3 **Location:** G1, G2

Observation Date of Plant: 9/17/2021

Plant Habit: Broad oval

Plant Height: 8-12 ft.

Plant Width: 10-15 ft

Current Seasons Growth: 1-2 ft.

Foliage Color: Blue/green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Excellent

Fruit Present: Abundant, showy

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks leggy when young but has great leaf color. Needs a large area. One plant is getting crowded out by neighboring plants.

Observation Date of Flowers: 5/26/2006

Flower Color: Lt. Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 75-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera maacki podocarpa **Variety:**
Cultivar: Rem Red **Family:** Caprifoliaceae **Tsnum:** 95017
Common Name: Rem Red Honeysuckle
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** A13, B13

Observation Date of Plant: 8/26/2020
Plant Habit: Broad oval, arching
Plant Height: 10-12 ft.
Plant Width: 30-35 ft.
Current Seasons Growth: 24-36 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Abundant, showy
Fruit Color: Still small and green in mid-September, very showy in October.
Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage and fruit still looks fresh and green late in year. Not a plant for small areas . It gets very large. May look better in full sun - canopy is thinning out.

Observation Date of Flowers: 5/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera maackii **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 90056
Common Name: Amur Honeysuckle
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** AA12

Observation Date of Plant: 8/27/2020

Plant Habit: Broad oval

Plant Height: 7-10 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Red, showy

Insect Pests: Aphids

Pest Severity: Minor injury

Plant Disease: Leaf spot

Disease Severity: Minor injury

Cultural Problems: Probably in too much shade

Nuisances:

Recommended: Yes

Comments on plant: One of the best Lonicera for attractive fruit In past years . Would look better in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera prolifera **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 00063
Common Name: Grape Honeysuckle
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 9/14/2020

Plant Habit: Vine

Plant Height: 5-8 ft. on trellis

Plant Width: 4 ft. on trellis

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Vine, ground cover, specimen

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in fall of 2016 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera tatarica **Variety:** -0-
Cultivar: Siberica **Family:** Caprifoliaceae **Tsnum:** 82217
Common Name: Siberian Honeysuckle
Source: USDA, Mandan, ND **Quantity observed:** 1 **Location:** A13

Observation Date of Plant: 8/27/2020
Plant Habit: Round
Plant Height: 5-7 ft.
Plant Width: 5-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Birds spread seed and may become invasive

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera x **Variety:**
Cultivar: Honeyrose **Family:** Caprifoliaceae **Tsnum:** 96088
Common Name: Honeyrose Honeysuckle
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** AA12

Observation Date of Plant: 8/27/2020
Plant Habit: Upright oval to round
Plant Height: 6-8 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2011.

Observation Date of Flowers: 6/2/2003
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Lonicera xylostium **Variety:**
Cultivar: Emerald Mound **Family:** Caprifoliaceae **Tsnum:** 98017
Common Name: Emerald Mound Honeysuckle
Source: Mount Arbor Nursery **Quantity observed:** 1 **Location:** A12

Observation Date of Plant: 8/26/2020

Plant Habit: Broad oval

Plant Height: 2.5 - 3.5 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Seems to always get some tip dieback.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Maackia amurensis **Variety:**
Cultivar: **Family:** Fabaceae **Tsnum:** 00066
Common Name: Amur maackia
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** SC10-1, D7

Observation Date of Plant: 8/25/2020
Plant Habit: Round to irregular
Plant Height: 6-10 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 2-6 in.

Foliage Color: Light to medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair
Fruit Present: Moderate amount of fruit
Fruit Color: Green turning to brown, unattractive
Insect Pests:
Pest Severity:
Plant Disease: Canker on one of two
Disease Severity: Moderate to severe injury one plant
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2003. Vandals removed about 50% of canopy in 2005 on one of two trees.

Observation Date of Flowers: 6/25/2007
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 30-40%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Maackia amurensis **Variety:**
Cultivar: JFS-Schichtel 1 **Family:** Fabaceae **Tsnum:** 14013
Common Name: MaacNificent Amur Maackia
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC07-2, HG

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval, narrow
Plant Height: 10-14 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: intermediate importance
Plant Summer Texture: medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: Few, not showy
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2016 and another in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Maackia amurensis **Variety:**
Cultivar: Starburst **Family:** Fabaceae **Tsnum:** 05007
Common Name: Starburst Amur Maackia
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC07-01

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: Few - not attractive
Fruit Color: Green turning to brown
Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010. Dried seed pods are a significant detractor from appearance - a seedless form would be the best if it existed.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Maclura pomifera **Variety:**
Cultivar: White Shield **Family:** Moraceae **Tsnum:** 15056
Common Name: White Shield Osage Orange
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** HG, SC11-13

Observation Date of Plant: 8/20/2020
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Dark green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, tolerant of urban conditions

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017 - too soon to recommend. Lost about 30% of canopy during first winter in arboretum.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/8/2018
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Bright yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Magnolia acuminata x **Variety:**
Cultivar: Butterflies **Family:** Magnoliaceae **Tsnum:** 18017
Common Name: Butterflies Cucumber Tree
Source: Carlton Plants **Quantity observed:** 3 **Location:** F0, HG

Observation Date of Plant: 9/20/2021

Plant Habit: Young, undefined

Plant Height: 4-6 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2019 and 2020. Canker damaging central leaders on two trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Magnolia x **Variety:**
Cultivar: Ann **Family:** Magnoliaceae **Tsnum:** 08044
Common Name: Ann Magnolia
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** E0

Observation Date of Plant: 9/16/2021
Plant Habit: Broad oval
Plant Height: 5-8 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good to fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Both plants are in a difficult area to irrigate at edge of arboretum.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. One of two plants is less vigorous but vigor would probably improve with more irrigation. The better plant is in more shade.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Magnolia x **Variety:** -0-
Cultivar: Galaxy **Family:** Magnoliaceae **Tsnum:** 83010
Common Name: Galaxy Magnolia
Source: US Nat'l Arboretum **Quantity observed:** 1 **Location:** D0

Observation Date of Plant: 9/15/2021
Plant Habit: Broad oval to round
Plant Height: 15-20 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/14/2006
Flower Color: White on upper side/Purple on lower side of petal
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 50-60%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: fair **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Magnolia x loebneri **Variety:**
Cultivar: Ruth **Family:** Magnoliaceae **Tsnum:** 19016
Common Name: Spring Welcome Magnolia
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** E0

Observation Date of Plant: 9/16/2021
Plant Habit: Young, undefined
Plant Height: 3 ft.
Plant Width: 2 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Mahonia haematocarpa **Variety:**
Cultivar: **Family:** Berberidaceae **Tsnum:** 97246
Common Name: Mahonia
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** G2

Observation Date of Plant: 9/17/2021

Plant Habit: Upright to irregular

Plant Height: 5-8 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 10-20 in.

Foliage Color: Blue/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen, barrier, shrub border

Overall Plant Health: Excellent

Fruit Present: Few, showy

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2009. Nice foliage color and foliage shape but also has very sharp tips which can be annoying. Growth habit is a little leggy but looking better with time.

Observation Date of Flowers:

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Comments on Flowers: Flowering date lost due to software problem.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: Dolgo **Family:** Rosaceae **Tsnum:** 76064
Common Name: Dolgo Crabapple
Source: unknown source **Quantity observed:** 1 **Location:** F2

Observation Date of Plant: 9/20/2021

Plant Habit: Round

Plant Height: 28-35 ft.

Plant Width: 40-45 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, areas that have height limits

Overall Plant Health: Good

Fruit Present: Abundant earlier in season

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Dependable over many years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: Jarmin **Family:** Rosaceae **Tsnum:** 12036
Common Name: Marilee Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC10-07

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2014. Lower branches (40% of canopy) appears to have been grazed by deer in 2018. Vigor is a little low.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: JFS KW139MX **Family:** Rosaceae **Tsnum:** 19025
Common Name: Ruby Dayze™ Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** HG

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 3 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2021 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: JFS KW213MX **Family:** Rosaceae **Tsnum:** 18009
Common Name: Raspberry Spear Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** F0, F1

Observation Date of Plant: 9/20/2021

Plant Habit: Columnar

Plant Height: 7-10 ft.

Plant Width: 2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark red/green on new growth fading to medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Abundant, showy

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 11/1/2021

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Mostly golden yellow, some red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: JFS KW214MX **Family:** Rosaceae **Tsnum:** 18010
Common Name: Ivory Spear Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** F0, F1

Observation Date of Plant: 9/20/2021
Plant Habit: columnar
Plant Height: 6-8 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good
Fruit Present: none
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/1/2021
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: JFS-KW207 **Family:** Rosaceae **Tsnum:** 17028
Common Name: Sparkling Sprite Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC09-06, F0

Observation Date of Plant: 9/20/2021

Plant Habit: Round

Plant Height: 6-8 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-10 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, small spaces

Overall Plant Health: Good

Fruit Present: Abundant fruit, showy

Fruit Color: Yellow

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Very good

Fall Color: Red, orange

Date of observation: 11/1/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: JFS-KWS **Family:** Rosaceae **Tsnum:** 03041
Common Name: Royal Raindrops Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** DH

Observation Date of Plant: 8/10/2021
Plant Habit: Upright oval
Plant Height: 12-16 ft.
Plant Width: 12-16 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Dark red/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: No suckering. Canopy is a little thin/open compared to most crabapples but looks healthy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: KW-207 **Family:** Rosaceae **Tsnum:** 16023
Common Name: Sparkling Sprite Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** F0

Observation Date of Plant: 9/20/2021

Plant Habit: Round

Plant Height: 6-7 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-3 in.

Foliage Color: medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, confined areas

Overall Plant Health: Fair

Fruit Present: Few

Fruit Color: Yellow with a red blush

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Adventitious budding from understock requires pruning.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Very good

Fall Color: Red, orange, yellow

Date of observation: 11/1/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: Mill-Fontana Uebo **Family:** Rosaceae **Tsnum:** 15071
Common Name: April Showers Weeping Crabapple
Source: Carlton Plants **Quantity observed:** 2 **Location:** G0, F1

Observation Date of Plant: 9/17/2021
Plant Habit: Weeping
Plant Height: 5-6 ft.
Plant Width: 4 ft.
Current Seasons Growth: 4-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Fair to good
Fruit Present: few, showy
Fruit Color: red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018 and 2019. The one planted in 2019 looks weak.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: Prairie Fire **Family:** Rosaceae **Tsnum:** 04059
Common Name: Prairie Fire Crabapple
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** DH

Observation Date of Plant: 8/10/2021
Plant Habit: Round
Plant Height: 8-12 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 8-14 in

Foliage Color: Emerge purplish/red and mature to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: No significant suckering. Would probably be larger if not for regularly losing 15-25% of canopy to snow load the last few years.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: Rejzam **Family:** Rosaceae **Tsnum:** 18011
Common Name: Rejoice Crabapple RightRoot
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC09-07

Observation Date of Plant: 8/25/2020
Plant Habit: Young, undefined
Plant Height: 6-8 ft.
Plant Width: 2 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, confined areas

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in 2018. Canopy is a little thin and vigor is low. Has some tip dieback and has damage possibly from deer browsing. Two suckers present.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus **Variety:**
Cultivar: Royal Beauty **Family:** Rosaceae **Tsnum:** 19024
Common Name: Royal Beauty Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F1

Observation Date of Plant: 9/20/2021
Plant Habit: Weeping
Plant Height: 5-7 ft.
Plant Width: 2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green with shades of red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/1/2021
Aesthetics: Very good **Persistence:** 1-2 weeks
Fall Color: Red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus sargentii **Variety:**
Cultivar: Beeson **Family:** Rosaceae **Tsnum:** 07024
Common Name: May's Delight Flowering Crab
Source: Femrite Nursery Company **Quantity observed:** 2 **Location:** F2, F3

Observation Date of Plant: 9/20/2021

Plant Habit: Upright oval

Plant Height: 8-12 ft

Plant Width: 8-12 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Fair to poor

Fruit Present: Abundant, showy

Fruit Color: Dark red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2009. Canopy on both is thin. One is chlorotic and declining. Both have severe suckering. Growth habit is a little leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus sp. **Variety:**
Cultivar: Makamik **Family:** Rosaceae **Tsnum:** 94047
Common Name: Makamik Crabapple
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** F0

Observation Date of Plant: 9/20/2021

Plant Habit: Upright oval to round

Plant Height: 12-18 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: fair

Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: Few

Fruit Color: Medium red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Medium sized fruit (1/2 - 3/4").

Observation Date of Flowers: 4/22/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Golden yellow

Date of observation: 11/1/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: American Beauty **Family:** Rosaceae **Tsnum:** 82119
Common Name: American Beauty Flowering Crabapple
Source: Mount Arbor Nursery **Quantity observed:** 4 **Location:** F1, F2, F3

Observation Date of Plant: 9/20/2021

Plant Habit: Vase to broad oval

Plant Height: 15-25 ft.

Plant Width: 25-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: Very few, small, < 1 in.

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has light suckering. Two of four trees are crowded by nearby trees otherwise would be wider.

Observation Date of Flowers: 4/24/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Brandywine **Family:** Rosaceae **Tsnum:** 83138
Common Name: Brandywine Flowering Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** F0

Observation Date of Plant: 9/20/2021
Plant Habit: Broad oval to round
Plant Height: 15-20 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wildlife

Overall Plant Health: Good
Fruit Present: Few fruit, large size about 2 in.
Fruit Color: Matures to yellow
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Moderate to heavy suckering.
Recommended: Yes
Comments on plant: Flowers can be spectacular but fruit is large (1.5-2") and can make a mess in the Fall. Suckering can be a problem.

Observation Date of Flowers: 4/29/2006
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Comments on Flowers: Very spectacular this year. Nice double petals - buds appear as large pink marbles.

Fall Color or Fruit: Fall color **Date of observation:** 10/15/2009
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: red, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Centurion **Family:** Rosaceae **Tsnum:** 87102
Common Name: Centurion Flowering Crabapple
Source: A. McGill & Son Nursery **Quantity observed:** 3 **Location:** F2, F1

Observation Date of Plant: 9/20/2021

Plant Habit: Round to broad oval

Plant Height: 12-18 ft.

Plant Width: 15-22 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen

Overall Plant Health: Good

Fruit Present: Abundant amount fruit, very showy

Fruit Color: Rose blush but turns red - fairly bright, nice gloss

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Crowded by nearby plants

Nuisances:

Recommended: Yes

Comments on plant: Could be wider if not crowded by nearby trees.

Observation Date of Flowers: 4/29/2006

Flower Color: Lt. Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Coralburst **Family:** Rosaceae **Tsnum:** 78086
Common Name: Coralburst Flowering Crabapple
Source: Cole Nursery **Quantity observed:** 3 **Location:** E0, F0

Observation Date of Plant: 9/16/2021
Plant Habit: Broad oval, multistem
Plant Height: 12-17 ft.
Plant Width: 25-30 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, areas that have height limits

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Tan/green, not showy
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Growth habit is less uniform as tree loses limbs to snow damage.

Observation Date of Flowers: 4/26/2006
Flower Color: White/Red
Flower Type: Cluster
Flower Effect: Poor
% of Flower Coverage: 10-15%
Bloom Stage: Flowers open
Comments on Flowers: White on inside of petal, red on outside. Seems to be flowering mostly in alternate years.

Fall Color or Fruit: Fall color **Date of observation:** 10/26/2017
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Flame **Family:** Rosaceae **Tsnum:** 83147
Common Name: Flame Flowering Crabapple
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** G2

Observation Date of Plant: 9/17/2021

Plant Habit: Broad oval

Plant Height: 20-25 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, areas with height restrictions

Overall Plant Health: Good

Fruit Present: Moderate fruit

Fruit Color: Red/orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: May have a wider growth habit if it had more space.

Observation Date of Flowers: 4/22/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Comments on Flowers: Pink blush to bud

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Friudlund **Family:** Rosaceae **Tsnum:** 18018
Common Name: Royal Gem™ Crabapple
Source: Carlton Plants **Quantity observed:** 2 **Location:** F1, G0

Observation Date of Plant: 9/17/2021

Plant Habit: Young, undefined

Plant Height: 5-6 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, confined areas

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Inglis **Family:** Rosaceae **Tsnum:** 78090
Common Name: Inglis Flowering Crabapple
Source: Unknown **Quantity observed:** 1 **Location:** F1

Observation Date of Plant: 9/20/2021
Plant Habit: Broad oval
Plant Height: 12-18 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wildlife

Overall Plant Health: Good
Fruit Present: Abundant, showy
Fruit Color: Red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Jeflite **Family:** Rosaceae **Tsnum:** 20033
Common Name: Starlite Crabapple
Source: Bailey Nurseries for Campus **Quantity observed:** 2 **Location:** E2

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 7-10 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, wildlife

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2021 - too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Pink Satin Crabapple **Family:** Rosaceae **Tsnum:** 02083
Common Name: Pink Satin Crabapple
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** E1

Observation Date of Plant: 9/16/2021
Plant Habit: Broad oval to round
Plant Height: 15-20 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good
Fruit Present: Abundant fruit, very showy
Fruit Color: red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in arboretum in 2003.

Observation Date of Flowers: 4/29/2006
Flower Color: Lt. Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Red Barron **Family:** Rosaceae **Tsnum:** 09079
Common Name: Red Barron Crabapple
Source: Carlton Plants **Quantity observed:** 1 **Location:** E2

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, small areas

Overall Plant Health: Good
Fruit Present: Abundant, small, showy
Fruit Color: Medium red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2011.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2021
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Slow to turn but some red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Red Silver **Family:** Rosaceae **Tsnum:** 82095
Common Name: Red Silver Flowering Crabapple
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** E1, F1

Observation Date of Plant: 9/16/2021

Plant Habit: Broad oval

Plant Height: 14-18 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green, shades of red

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Dark red with a white haze on surface on some.

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering.

Recommended: Yes

Comments on plant: Foliage is dark green with a dark red blush.

Observation Date of Flowers: 4/24/2006

Flower Color: Dark Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: deep red, orange

Date of observation: 10/28/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Silver Drift **Family:** Rosaceae **Tsnum:** 02082
Common Name: Silver Drift Crabapple
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** F1

Observation Date of Plant: 9/20/2021
Plant Habit: Round to broad oval
Plant Height: 15-20 ft.
Plant Width: 25-30 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, wildlife

Overall Plant Health: Good
Fruit Present: Moderate amount, showy
Fruit Color: Green turning to red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in arboretum in 2003.

Observation Date of Flowers: 4/24/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Sinai Fire **Family:** Rosaceae **Tsnum:** 90121
Common Name: Sinai Fire Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F0

Observation Date of Plant: 9/20/2021

Plant Habit: Broad oval

Plant Height: 10-14 ft.

Plant Width: 22-28 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, height restricted areas

Overall Plant Health: Good

Fruit Present: Moderate amount

Fruit Color: Yellow turning rosy red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: No suckering

Recommended: Yes

Comments on plant: Lost some height from breakage from snow in May 2017. Has moderate chlorosis.

Observation Date of Flowers: 4/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Sugar Tyme **Family:** Rosaceae **Tsnum:** 87103
Common Name: Sugar Tyme Flowering Crabapple
Source: A. McGill & Son Nursery **Quantity observed:** 2 **Location:** E1, F1

Observation Date of Plant: 9/16/2021

Plant Habit: Broad oval to rounded

Plant Height: 12-18 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: Moderate amount fruit

Fruit Color: Green turning to red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Comments on Flowers: Pink buds

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/28/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:**
Cultivar: Thunderchild **Family:** Rosaceae **Tsnum:** 97059
Common Name: Thunderchild Crabapple
Source: A. McGill & Son Nursery **Quantity observed:** 2 **Location:** E1, G0

Observation Date of Plant: 9/16/2021

Plant Habit: Round to broad oval

Plant Height: 15-20 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Red/dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Severe suckering.

Recommended: Yes

Comments on plant: Planted in arboretum in 2003.

Observation Date of Flowers: 4/19/2006

Flower Color: Dark pink fading to light pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red/purple

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Van Eseltine **Family:** Rosaceae **Tsnum:** 78087
Common Name: Van Eseltine Flowering Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** E0

Observation Date of Plant: 9/16/2021
Plant Habit: Vase but becoming wider and open
Plant Height: 15-20 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, small/confined areas

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Green turning to red
Insect Pests:

Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:

Nuisances: Moderate suckering
Recommended: Yes

Comments on plant: Vigor is low in regard to new growth but canopy is full. Nice growth habit for narrow areas. Mild chlorosis - may do better if not on edge of arboretum where irrigation is less uniform.

Observation Date of Flowers: 4/29/2006
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-100%
Bloom Stage: Flowers open

Comments on Flowers: Double petals. Buds are dark pink and very showy.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Weeping Candied Apple **Family:** Rosaceae **Tsnum:** 83136
Common Name: Weeping Candied Apple Flowering Crabapple
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F3

Observation Date of Plant: 9/20/2021

Plant Habit: Broad oval to round

Plant Height: 15-20 ft.

Plant Width: 20-30 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, confined height areas

Overall Plant Health: Good

Fruit Present: Abundant fruiting, very attractive

Fruit Color: Green turns to medium red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Abundant suckering.

Recommended: Yes

Comments on plant: Not a very weeping habit - it is fairly subtle.

Observation Date of Flowers: 4/25/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers: Very impressive flower display.

Fall Color or Fruit: Fall color **Date of observation:** 10/26/2017

Aesthetics: Fair **Persistence:** 1-2 weeks

Fall Color: Orange/red and still some green

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x **Variety:** -0-
Cultivar: Zuni **Family:** Rosaceae **Tsnum:** 80155
Common Name: Zuni Flowering Crabapple
Source: American Nursery Product/Mi **Quantity observed:** 1 **Location:** F1

Observation Date of Plant: 9/20/2021
Plant Habit: Broad oval
Plant Height: 15 - 20 ft.
Plant Width: 30-37 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/29/2003
Flower Color: n/a
Flower Type:
Flower Effect: Poor
% of Flower Coverage:
Bloom Stage: n/a
Comments on Flowers: No sign of flower or buds this year - just leaves.

Fall Color or Fruit: Fall color **Date of observation:** 11/1/2021
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Red, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Malus x adstringens **Variety:**
Cultivar: Durleo **Family:** Rosaceae **Tsnum:** 19051
Common Name: First Editions Gladiator Crabapple
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** F3

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Microbiota decussata **Variety:**
Cultivar: Celtic Pride **Family:** Cupressaceae **Tsnum:** 19004
Common Name: Celtic Pride® Siberian Cypress
Source: Proven Winners **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Spreading
Plant Height: 6 in.
Plant Width: 2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2019. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Microbiota decussata **Variety:**
Cultivar: Prides **Family:** Cupressaceae **Tsnum:** 19073
Common Name: Celtic Pride® Siberian Cypress
Source: Proven Winners/Spring Mead **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 10/8/2020

Plant Habit: Spreading

Plant Height: 6 in.

Plant Width: 2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green but lighter green at the tips.

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2019. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Morus alba **Variety:** -0-
Cultivar: -0- **Family:** Moraceae **Tsnum:** 81149
Common Name: White Mulberry
Source: American Nursery Product/Mi **Quantity observed:** 1 **Location:** D1

Observation Date of Plant: 9/15/2021

Plant Habit: Round to broad oval

Plant Height: 20-30 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 24-36 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor

Landscape Uses: Large, shade tree, wildlife

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker on trunk

Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Has minor suckering. About 50% died last winter and needs major pruning.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright golden yellow

Date of observation: 10/28/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Morus alba **Variety:**
Cultivar: Chaparral **Family:** Moraceae **Tsnum:** 18012
Common Name: Chaparral Mulberry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** HG

Observation Date of Plant: 10/8/2020
Plant Habit: Weeping
Plant Height: 5-7 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2019. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Morus alba **Variety:**
Cultivar: Tatarica **Family:** Moraceae **Tsnum:** 94048
Common Name: Russian Mulberry
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D1

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval to round
Plant Height: 25-35 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 20-30 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree, wildlife

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker on trunk
Disease Severity: Appears contained
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Some wet wood developing in a main branch crotch.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ostrya virginiana **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 84122
Common Name: American Hornbeam
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **Location:** E5

Observation Date of Plant: 9/16/2021
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: Abundant fruiting
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Growth habit may be wider if not crowded by neighboring plants.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ostrya virginiana **Variety:** -0-
Cultivar: -0- **Family:** Betulaceae **Tsnum:** 89110
Common Name: American Hop Hornbeam
Source: Carlton Plants **Quantity observed:** 1 **Location:** F5

Observation Date of Plant: 9/20/2021

Plant Habit: Pyramidal

Plant Height: 22-28 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, small/confined areas

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: *Ostrya virginiana* **Variety:**
Cultivar: JFS-KW5 **Family:** Betulaceae **Tsnum:** 16017
Common Name: Autumn Treasure Hophornbeam
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** F4, CFA

Observation Date of Plant: 9/20/2021
Plant Habit: Upright oval
Plant Height: 10-13 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: One of three may have been planted in compact soil.
Nuisances:
Recommended: yes
Comments on plant: Planted in 2017. One of three has low vigor.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: *Ostrya virginiana* **Variety:**
Cultivar: JFS-KW5 **Family:** Betulaceae **Tsnum:** 16024
Common Name: Autumn Treasure Hophornbeam
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** HG, SC05-02

Observation Date of Plant: 9/14/2021

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 2-3 in

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Street tree, specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. Vigor is low for unknown reason.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Paulonia tomentosa **Variety:**
Cultivar: **Family:** Scrophulariaceae **Tsnum:** 10107
Common Name: Princesstree
Source: Plant Select/DBG **Quantity observed:** 2 **Location:** D7, D8

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 15- 20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 4-6 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Excellent
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2011. Has huge leaves and impressive vigor. Dies to ground or at least 50% almost every winter. Size is very unique.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/8/2012

Aesthetics: Very poor - after hard fre **Persistence:**

Fall Color: none

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Phellodendron amurense **Variety:** -0-
Cultivar: -0- **Family:** Rutaceae **Tsnum:** 77010
Common Name: Amur Corktree
Source: Unknown **Quantity observed:** 2 **Location:** B4

Observation Date of Plant: 9/14/2021

Plant Habit: Vase

Plant Height: 35-45 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: May be wider if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Light yellow

Date of observation: 10/10/2011

Persistence: 1 week

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Phellodendron amurense **Variety:**
Cultivar: Longenecker **Family:** Rutaceae **Tsnum:** 15057
Common Name: Eye Stopper Cork Tree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC11-05

Observation Date of Plant: 9/14/2020
Plant Habit: Round
Plant Height: 5-7 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2016. Entire tree appears chlorotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Phellodendron amurense **Variety:** -0-
Cultivar: Macho **Family:** Rutaceae **Tsnum:** 93098
Common Name: Macho Amur Corktree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C5

Observation Date of Plant: 9/14/2021

Plant Habit: Vase

Plant Height: 35-45 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Appears a little leggy - may look better with more sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: pale yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Phellodendron chinensis **Variety:** -0-
Cultivar: -0- **Family:** Rutaceae **Tsnum:** 81065
Common Name: Chinese Corktree
Source: Minnesota Landscape Arboretum **Quantity observed:** 2 **Location:** B5

Observation Date of Plant: 9/10/2021

Plant Habit: Upright oval to round

Plant Height: 50-60 ft.

Plant Width: 40-50 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Might be wider if not crowded by neighboring trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Philadelphus coronarius **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 77007
Common Name: Sweet Mockorange
Source: Unknown **Quantity observed:** 1 **Location:** E5

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 7-8 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, large shrub for back of border

Overall Plant Health: Fair

Fruit Present: Moderate amount

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Crowded by nearby plants.

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better if not crowded by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Philadelphus coronarius **Variety:**
Cultivar: Aureus **Family:** Saxifragaceae **Tsnum:** 10011
Common Name: Golden Mockorange
Source: Carlton Plants **Quantity observed:** 2 **Location:** E7

Observation Date of Plant: 9/14/2020

Plant Habit: Upright oval

Plant Height: 5-7 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green with yellow on new growth

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few, not showy

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Philadelphus lewisii **Variety:**
Cultivar: **Family:** Saxifragaceae **Tsnum:** 97256
Common Name: Lewis Mock Orange
Source: Fort Collins Nursery **Quantity observed:** 4 **Location:** G1

Observation Date of Plant: 9/17/2021

Plant Habit: Round to upright oval

Plant Height: 8-10 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Abundant, not showy

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2010 and looks much more vigorous. Growth habit may be wider if not crowded by neighboring plants.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-100%

Bloom Stage: Flowers open

Comments on Flowers: Very showy even at a distance of several hundred feet.

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Philadelphus microphyllus **Variety:**
Cultivar: June Bride **Family:** Saxifragaceae **Tsnum:** 08067
Common Name: June Bride Mockorange
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** E5

Observation Date of Plant: 9/28/2020

Plant Habit: Irregular

Plant Height: 2 ft.

Plant Width: 2 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2013. Fine foliage is attractive but canopy is thin and near death possibly from too much shade.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Philadelphus x virginalis **Variety:**
Cultivar: Minature Snowflake **Family:** Hydrangeaceae **Tsnum:** 02016
Common Name: Minature Snowflake Mock Orange
Source: Sjulín Nurseries **Quantity observed:** 1 **Location:** F6

Observation Date of Plant: 10/5/2020
Plant Habit: Round to broad oval
Plant Height: 6-9 ft.
Plant Width: 10-12 ft.
Current Seasons Growth: 10-20 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2009.

Observation Date of Flowers: 6/12/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Comments on Flowers: Very fragrant

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus **Variety:**
Cultivar: Summer Wine **Family:** Rosaceae **Tsnum:** 05102
Common Name: Summer Wine Ninebark
Source: Proven Winners **Quantity observed:** 1 **Location:** D0

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval, arching

Plant Height: 4-5 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 36-48 in.

Foliage Color: Dark red/green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Maintains excellent color throughout summer.

Observation Date of Flowers: 6/2/2007

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 5-20%

Bloom Stage: Flowers open

Comments on Flowers: Just planted in 2006 - should get showier as it gets further established.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus malvaceus **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 81309
Common Name: Ninebark
Source: Denver Botanic Gardens **Quantity observed:** 2 **Location:** C0

Observation Date of Plant: 9/13/2021
Plant Habit: Arching becoming broad oval
Plant Height: 8 - 10 ft.
Plant Width: 10 - 15 ft.
Current Seasons Growth: 1 - 3 ft.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of two was rejuvenated in 2011.

Observation Date of Flowers: 5/23/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:** -0-
Cultivar: `Nana' **Family:** Rosaceae **Tsnum:** 85082
Common Name: Dwarf Ninebark
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** C0

Observation Date of Plant: 9/13/2021

Plant Habit: Broad oval to round

Plant Height: 4 - 5 ft.

Plant Width: 5-8 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is more controlled and compact compared to the straight species. Would probably have better aesthetics and vigor if had more irrigation and not crowded by nearby plants at edge of arboretum.

Observation Date of Flowers: 6/2/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 75-90%

Bloom Stage: Flowers open

Comments on Flowers: Buds are a beautiful pink. Smaller flowers in great supply.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:** -0-
Cultivar: `Nugget' **Family:** Rosaceae **Tsnum:** 89157
Common Name: Nugget Ninebark
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** D0, C1

Observation Date of Plant: 9/13/2021

Plant Habit: Broad oval

Plant Height: 8 - 10 ft.

Plant Width: 15 - 18 ft.

Current Seasons Growth: 1 - 3 ft.

Foliage Color: Yellow to light green matures to medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 5/23/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Center Glow **Family:** Rosaceae **Tsnum:** 08068
Common Name: Center Glow Ninebark
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** D0, E0

Observation Date of Plant: 9/15/2021

Plant Habit: Upright, irregular

Plant Height: 5-7 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 1-3 ft.

Foliage Color: Dark red

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Growth habit is a little leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:** -0-
Cultivar: Dart's Golden **Family:** Rosaceae **Tsnum:** 80146
Common Name: Dart's Golden Ninebark
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** C0

Observation Date of Plant: 9/13/2021

Plant Habit: Arching, irregular

Plant Height: 6 - 9 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 2-5 ft.

Foliage Color: Yellow to light green maturing to medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One plant rejuvenated in 2010.

Observation Date of Flowers: 5/23/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Donna May **Family:** Rosaceae **Tsnum:** 12061
Common Name: Little Devil Ninebark
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D0

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 2 ft.
Plant Width: 2 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Plant and foliage is more dwarf/compact. Appears to have lost some canopy when nearby tree broke from snow load early 2021.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Mindia **Family:** Rosaceae **Tsnum:** 12029
Common Name: Coppertina Ninebark
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** D0, D1

Observation Date of Plant: 9/15/2021
Plant Habit: Irregular
Plant Height: 4-6 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Dark red/green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:** -0-
Cultivar: Select **Family:** Rosaceae **Tsnum:** 92113
Common Name: Select Ninebark
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** D0

Observation Date of Plant: 9/15/2021
Plant Habit: Arching to irregular
Plant Height: 7-10 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Moderate amount
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/2/2007
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Seward **Family:** Rosaceae **Tsnum:** 06008
Common Name: Summer Wine Ninebark
Source: Sherman Nursery **Quantity observed:** 4 **Location:** D0, E0

Observation Date of Plant: 9/15/2021

Plant Habit: Irregular, some arching

Plant Height: 4-6 ft

Plant Width: 6-9 ft.

Current Seasons Growth: 24-36 in.

Foliage Color: Dark red

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Abundant, adds some texture interest

Fruit Color: Maroon

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Foliage color doesn't fade.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus opulifolius **Variety:**
Cultivar: Snowfall **Family:** Rosaceae **Tsnum:** 94055
Common Name: Snowfall Ninebark
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** A2

Observation Date of Plant: 9/6/2021
Plant Habit: Upright, arching as it matures
Plant Height: 5-7 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 18-36 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks okay in a fairly xeric area. Rejuvenated two plants in 2011.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Physocarpus ribesifolius **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 96071
Common Name: Ninebark
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** A2

Observation Date of Plant: 9/6/2021
Plant Habit: Upright, arching as it matures
Plant Height: 5-8 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 24-36 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to good
Fruit Present: Moderate amount of fruit
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/26/2006
Flower Color: n/a
Flower Type: n/a
Flower Effect: n/a
% of Flower Coverage: n/a
Bloom Stage: n/a

Comments on Flowers: No evidence of flowers in 2006 probably is related to poor plant health and large amount of canopy dieback.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea abies **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 85120
Common Name: Norway Spruce
Source: Zelenka Nursery **Quantity observed:** 2 **Location:** D10

Observation Date of Plant: 9/28/2020
Plant Habit: Pyramidal
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Brown
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: One of two trees has some sap running down the trunk from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea abies **Variety:** -0-
Cultivar: Pendula **Family:** Pinaceae **Tsnum:** 90072
Common Name: Weeping Norway Spruce
Source: Oregon Garden Products **Quantity observed:** 1 **Location:** G9

Observation Date of Plant: 10/7/2020
Plant Habit: Weeping
Plant Height: 3-4 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: A solid performer over many years. Moved in 2016 due to unavoidable construction. Has a few dead tips from unknown cause on less than 5% of canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea abies **Variety:**
Cultivar: Pumila **Family:** Pinaceae **Tsnum:** 18057
Common Name: Dwarf Norway Spruce
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Broad oval
Plant Height: 1 ft.
Plant Width: 2 ft.
Current Seasons Growth: 2-4 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea engelmannii **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 81289
Common Name: Engelman Spruce
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** E10

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal
Plant Height: 18-25 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Blue green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a beautiful dense and uniform growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea glauca **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 87113
Common Name: White Spruce
Source: Zelenka Nursery **Quantity observed:** 2 **Location:** D10

Observation Date of Plant: 9/28/2020
Plant Habit: Pyramidal
Plant Height: 25-30 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Crowding from nearby trees

Nuisances:

Recommended: Yes

Comments on plant: Short needles are attractive. Canopy seems to be getting thin - possibly due to crowding from nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea glauca **Variety:**
Cultivar: Conica **Family:** Pinaceae **Tsnum:** 18058
Common Name: Dwarf Alberta Spruce
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Pyramidal
Plant Height: 4-6 ft.
Plant Width: 2 ft.
Current Seasons Growth: 2-3 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea glauca **Variety:** -0-
Cultivar: Densata **Family:** Pinaceae **Tsnum:** 78062
Common Name: Black Hills White Spruce
Source: Colorado Nurseryman **Quantity observed:** 3 **Location:** D10, D11

Observation Date of Plant: 9/28/2020
Plant Habit: Pyramidal
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Brown
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea glauca **Variety:**
Cultivar: Pendula **Family:** Pinaceae **Tsnum:** 12150
Common Name: Weeping White Spruce
Source: Garden and Home Show **Quantity observed:** 2 **Location:** F10

Observation Date of Plant: 10/4/2020
Plant Habit: Weeping, narrow
Plant Height: 7-10 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea meyeri **Variety:**
Cultivar: **Family:** Pinaceae **Tsnum:** 18059
Common Name: Meyer Spruce
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** E10, CFA

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal
Plant Height: 3-5 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Blue green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, urban areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Has a nice dense, uniform growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea omorika **Variety:**
Cultivar: Bruns **Family:** Pinaceae **Tsnum:** 03154
Common Name: Bruns Sinberian Spruce
Source: Monrovia Growers **Quantity observed:** 1 **Location:** G10

Observation Date of Plant: 10/7/2020

Plant Habit: Narrow pyramidal

Plant Height: 12-18 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Few cones

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005. Vandals removed some upper branches and central leader in 2008 but looks normal now.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea orientalis **Variety:**
Cultivar: Autovirens **Family:** Pinaceae **Tsnum:** 96166
Common Name: Autovirens Oriental Spruce
Source: Monrovia Growers **Quantity observed:** 1 **Location:** D11

Observation Date of Plant: 9/28/2020
Plant Habit: Pyramidal
Plant Height: 15-20 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Excellent
Landscape Uses: specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Branching is dense. Attractive dark green, short, soft needles.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea pungens **Variety:**
Cultivar: Bakeri **Family:** Pinaceae **Tsnum:** 96085
Common Name: Baker Blue Spruce
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** G10

Observation Date of Plant: 10/7/2020

Plant Habit: Pyramidal

Plant Height: 25-35 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Blue/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Few cones

Fruit Color: Brown

Insect Pests: Cooley spruce galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is slightly less blue than Picea 'Moorheim'.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea pungens **Variety:** -0-
Cultivar: Glauca **Family:** Pinaceae **Tsnum:** 78070
Common Name: Colorado Blue Spruce
Source: US Nat'l Arboretum **Quantity observed:** 1 **Location:** E14

Observation Date of Plant: 10/5/2020

Plant Habit: Pyramidal

Plant Height: 50-60 ft.

Plant Width: 35-45 ft

Current Seasons Growth: 4-8 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea pungens **Variety:** -0-
Cultivar: Glauca **Family:** Pinaceae **Tsnum:** 78099
Common Name: Colorado Blue Spruce
Source: Unknown **Quantity observed:** 1 **Location:** CFA

Observation Date of Plant: 10/8/2020
Plant Habit: Pyramidal
Plant Height: 15-22 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, native planting

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Great blue foliage color. Moved in Fall of 2016 due to construction of football practice fields.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea pungens **Variety:**
Cultivar: Glauca Globosa **Family:** Pinaceae **Tsnum:** 14156
Common Name: Globe Blue Spruce - Tree Form
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** G9, G10

Observation Date of Plant: 10/7/2020

Plant Habit: round

Plant Height: 3-4 ft.

Plant Width: 2-4 ft.

Current Seasons Growth: 2-6 in.

Foliage Color: Blue

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Half of canopy on one of two trees died back from unknown cause in 2016 but could be possible disease. Does not appear to active in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea pungens **Variety:**
Cultivar: Glauca Slenderina Pendu **Family:** Pinaceae **Tsnum:** 18060
Common Name: Slenderina® Weeping Blue Spruce
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** F10, CFA

Observation Date of Plant: 10/5/2020

Plant Habit: Young, undefined

Plant Height: 4-5 ft.

Plant Width: 2 ft.

Current Seasons Growth: 6-8 in.

Foliage Color: Blue green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea pungens **Variety:**
Cultivar: Hoopsii **Family:** Pinaceae **Tsnum:** 00039
Common Name: Hoopsii Blue Spruce
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** G11

Observation Date of Plant: 10/7/2020

Plant Habit: Pyramidal

Plant Height: 20-25 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Blue

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor may be low due to inadequate irrigation at edge of arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea pungens glauca **Variety:** -0-
Cultivar: Dwarf Form **Family:** Pinaceae **Tsnum:** 78215
Common Name: Dwarf Spruce
Source: -0- **Quantity observed:** 1 **Location:** E10

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal
Plant Height: 20-30 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has very good uniform growth habit and color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea pungens glauca **Variety:**
Cultivar: Fat Albert **Family:** Pinaceae **Tsnum:** 96164
Common Name: Fat Albert Blue Spruce
Source: Monrovia Growers **Quantity observed:** 1 **Location:** G10

Observation Date of Plant: 10/7/2020
Plant Habit: Pyramidal
Plant Height: 15-20 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Blue
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needles are very blue. Canopy is very dense and uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea pungens glauca **Variety:**
Cultivar: Moerheimii **Family:** Pinaceae **Tsnum:** 98020
Common Name: Moerheim Blue Spruce
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** G10, G11

Observation Date of Plant: 10/7/2020

Plant Habit: Pyramidal

Plant Height: 30-35 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Blue/gray

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests: Cooley spruce galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage color is beautiful blue gray.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Picea sitchensis **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 78044
Common Name: Sitka Spruce
Source: Alaska Plant Material Center **Quantity observed:** 1 **Location:** D11

Observation Date of Plant: 9/28/2020
Plant Habit: Pyramidal
Plant Height: 20-28 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Plant has relatively small needles.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus aristata **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 78103
Common Name: Bristlecone Pine
Source: Unknown **Quantity observed:** 1 **Location:** E12

Observation Date of Plant: 10/5/2020
Plant Habit: Irregular
Plant Height: 12-17 ft.
Plant Width: 14-18 ft
Current Seasons Growth: 4 - 8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy has a beautiful, dense bushy habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus bungeana **Variety:**
Cultivar: **Family:** Pinaceae **Tsnum:** 03166
Common Name: Lacebark Pine
Source: Garden and Home Show **Quantity observed:** 1 **Location:** F10

Observation Date of Plant: 10/5/2020

Plant Habit: Pyramidal

Plant Height: 15-20 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is improving now that surrounding plants aren't crowding it.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus cembra **Variety:** -0-
Cultivar: Chalet **Family:** Pinaceae **Tsnum:** 85162
Common Name: Chalet Swiss Stone Pine
Source: Timber Creek Nursery **Quantity observed:** 1 **Location:** F11

Observation Date of Plant: 10/6/2020
Plant Habit: Very narrowly pyramidal
Plant Height: 18-25 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Needles have a very dense bushy appearance. Appears to be dying for unknown reason. Has a lot of brown foliage. Has been in decline for about 4-6 years. Looks a little chlorotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus cembra **Variety:**
Cultivar: Klein **Family:** Pinaceae **Tsnum:** 03155
Common Name: Silver Whispers Swiss Stone Pine
Source: Monrovia Growers **Quantity observed:** 1 **Location:** F12

Observation Date of Plant: 10/7/2020
Plant Habit: Narrowly pyramidal
Plant Height: 15-25 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2005. Canopy is fairly dense.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus flexilis **Variety:**
Cultivar: **Family:** Pinaceae **Tsnum:** 03168
Common Name: Limber Pine
Source: Monrovia Growers **Quantity observed:** 2 **Location:** E11, F11

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal or irregular
Plant Height: 10-15 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium to light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, native planting

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deer have cause some damage to trunk and has reduced vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus flexilis **Variety:**
Cultivar: Vanderwolf Pyramid **Family:** Pinaceae **Tsnum:** 95115
Common Name: Vanderwolf Pine
Source: Oregon Garden Products **Quantity observed:** 1 **Location:** D11

Observation Date of Plant: 9/28/2020
Plant Habit: Pyramidal
Plant Height: 20-30 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 12-18 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very attractive, soft textured appearance.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus jeffreyi **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 81273
Common Name: Jeffrey Pine
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** E10

Observation Date of Plant: 10/5/2020
Plant Habit: Narrow, pyramidal
Plant Height: 40-50 ft.
Plant Width: 15-25 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Canopy still looks a little thin and seems to be exuding sap on trunk from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus mugo **Variety:** mugo
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 88127
Common Name: Mugho Pine
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** E11

Observation Date of Plant: 10/5/2020
Plant Habit: Irregular
Plant Height: 10-15 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit appears to just sprawl wherever it can.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus mugo **Variety:**
Cultivar: Pumilo **Family:** Pinaceae **Tsnum:** 09137
Common Name: Dwarf Swiss Mountain Pine
Source: Colorado Garden and Home **Quantity observed:** 1 **Location:** E12

Observation Date of Plant: 10/5/2020
Plant Habit: Broad oval
Plant Height: 3 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Transplanted in 2016 from perennial garden. Vigor and appearance is low from being in too much shade.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus mugo **Variety:**
Cultivar: Valley Cushion **Family:** Pinaceae **Tsnum:** 15168
Common Name: Valley Cushion Mugo Pine
Source: Garden and Home Show **Quantity observed:** 1 **Location:** E11

Observation Date of Plant: 10/5/2020

Plant Habit: Broad oval

Plant Height: 2-3 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 4-8 in

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015. Canopy is a little thin and may do better in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus nigra **Variety:** yugoslavia
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 83095
Common Name: Yugoslavia Austrian Pine
Source: Plants of the Southwest **Quantity observed:** 4 **Location:** E12, E11, F11

Observation Date of Plant: 10/5/2020

Plant Habit: Pyramidal

Plant Height: 50-60 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus nigra **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 78104
Common Name: Austrian Pine
Source: Unknown **Quantity observed:** 1 **Location:** F12

Observation Date of Plant: 10/6/2020
Plant Habit: Pyramidal
Plant Height: 45-55 ft.
Plant Width: 40-45 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Brown
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus nigra **Variety:**
Cultivar: Arnold Sentinel **Family:** Pinaceae **Tsnum:** 03156
Common Name: Arnold Sentinel Austrian Pine
Source: Monrovia Growers **Quantity observed:** 1 **Location:** DH

Observation Date of Plant: 10/27/2020
Plant Habit: Columnar
Plant Height: 15-20 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 8-14 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Very unique growth habit. Only one of three shipped were Pinus nigra and the other two trees were Pinus flexilis (03168). Top 20% was misshapen by spring snow in 2020 but will survive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus nigra **Variety:**
Cultivar: Prerrick Bregeon **Family:** Pinaceae **Tsnum:** 14157
Common Name: Brepo Austrian Pine - Tree Form
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** F11

Observation Date of Plant: 10/5/2020

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 2 ft.

Current Seasons Growth: 1-2 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2014. Very dense growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus ponderosa **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 78101
Common Name: Ponderosa Pine
Source: Unknown **Quantity observed:** 2 **Location:** D3, F14

Observation Date of Plant: 9/15/2021
Plant Habit: Pyramidal
Plant Height: 40-50 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, native planting, xeriscape, screen

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Brown
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus strobus **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 85122
Common Name: White Pine
Source: American Nursery Product/Mi **Quantity observed:** 2 **Location:** F12, F11

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal to irregular
Plant Height: 55-65 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: May be trying to fend off borer or disease since there are spots of sap seeping from trunk but it doesn't appear to be very abundant.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus strobus **Variety:**
Cultivar: Fastigiata **Family:** Pinaceae **Tsnum:** 03157
Common Name: Columnar Eastern White Pine
Source: Monrovia Growers **Quantity observed:** 1 **Location:** F12

Observation Date of Plant: 10/6/2020
Plant Habit: Columnar
Plant Height: 15-20 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light green with some blue
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Poor
Fruit Present: Few fruit
Fruit Color: Green turning to tan
Insect Pests:

Pest Severity:
Plant Disease: Canker
Disease Severity: Severe injury

Cultural Problems:
Nuisances:

Recommended: No

Comments on plant: Planted in arboretum in 2003. Appears to have a large canker and in decline as tree is oozing a lot of sap on lower trunk.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus strobus **Variety:**
Cultivar: Nana **Family:** Pinaceae **Tsnum:** 15088
Common Name: Dwarf Eastern White Pine
Source: Monrovia Growers **Quantity observed:** 2 **Location:** F12

Observation Date of Plant: 10/6/2020
Plant Habit: Round
Plant Height: 2-3 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Gray/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Shrub border, specimen

Overall Plant Health: Fair to good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015. One of two looks mildly chlorotic from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus strobus **Variety:**
Cultivar: Pendula **Family:** Pinaceae **Tsnum:** 03019
Common Name: Weeping White Pine
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F12

Observation Date of Plant: 10/6/2020
Plant Habit: Weeping
Plant Height: 12-16 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Foliage on top 20% of tree looks off color for unknown reason.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus sylvestris **Variety:**
Cultivar: French Blue **Family:** Pinaceae **Tsnum:** 03158
Common Name: French Blue Scotch Pine
Source: Monrovia Growers **Quantity observed:** 1 **Location:** F11

Observation Date of Plant: 10/6/2020
Plant Habit: Upright oval becoming irregular
Plant Height: 12-18 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Slight blue/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Nice foliage color. Vandals damaged central leader and it was slow to recover.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus sylvestris **Variety:**
Cultivar: Inverleith **Family:** Pinaceae **Tsnum:** 08030
Common Name: Inverleith Scotch Pine
Source: Monrovia Growers **Quantity observed:** 2 **Location:** E11

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 10-20 in.

Foliage Color: Variegated, blue/green needles
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Very unique color to needles. One of two trees seems to have more blue to needles for unknown reason.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus tabuliformis **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 83034
Common Name: Chinese Pine
Source: Minnesota Landscape Arboretum **Quantity observed:** 1 **Location:** E10

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal
Plant Height: 30-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus tabuliformis **Variety:** -0-
Cultivar: -0- **Family:** Pinaceae **Tsnum:** 86025
Common Name: Pine
Source: Minnesota Landscape Arboretum **Quantity observed:** 2 **Location:** E12

Observation Date of Plant: 10/5/2020
Plant Habit: Pyramidal
Plant Height: 35-45 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two trees seems to have a thinner canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pinus virginiana **Variety:**
Cultivar: Wate's Golden **Family:** Pinaceae **Tsnum:** 08033
Common Name: Wate's Golden Pine
Source: Monrovia Growers **Quantity observed:** 1 **Location:** E11

Observation Date of Plant: 10/5/2020
Plant Habit: Irregular
Plant Height: 5-6 ft.
Plant Width: 10-12 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green and yellow
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2008. Looks more green than golden by end of season. Plant must have been pulled on by vandals as it is growing at a sharp angle and needs to be staked. Growth habit is very open, leggy and not very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Platanus x acerifolia **Variety:**
Cultivar: Morton Circle **Family:** Platanaceae **Tsnum:** 09017
Common Name: Exclamation Planetree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC05-01

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval, pyramidal
Plant Height: 25-30 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Excellent
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Excellent
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2011. Looks very robust - bark is very attractive.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/17/2017
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow/brown

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Platanus x acerifolia **Variety:**
Cultivar: Columbia **Family:** Platanaceae **Tsnum:** 06004
Common Name: Columbia Planetree
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** SC12-8

Observation Date of Plant: 8/18/2020
Plant Habit: Upright oval, somewhat pyramidal
Plant Height: 15-20 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Light to medium green
Bark Characteristics: Important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Excellent

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010. Suffered severe storm damage October 2011 which greatly reduced height and appearance but recovered nicely by 2014. Growing much better than the elms surrounding it.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus alba **Variety:**
Cultivar: **Family:** Salicaceae **Tsnum:** 05023
Common Name: White Poplar
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D9

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Susceptible to storm damage.
Recommended: Yes
Comments on plant: Looks good when young but often develops problems later. Has a slight lean to the west.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus alba **Variety:** -0-
Cultivar: -0- **Family:** Salicaceae **Tsnum:** 89143
Common Name: White Poplar
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **Location:** E8

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval, multi stem
Plant Height: 25-30 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Susceptible to storm damage

Recommended: Marginal

Comments on plant: Cut to ground in 2011 due to leaning and canker but it is coming back from suckers. Roots also send up unwanted suckers many feet away from main trunk which is a maintenance problem.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus deltoides **Variety:** -0-
Cultivar: -0- **Family:** Salicaceae **Tsnum:** 82221
Common Name: Cottonwood
Source: USDA, Glendale, MD **Quantity observed:** 1 **Location:** D8

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 65-75 ft.
Plant Width: 45-60 ft.
Current Seasons Growth: 10-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker, wet wood
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/23/2004
Aesthetics: Good **Persistence:** 2-4 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus nigra **Variety:** -0-
Cultivar: Carolina **Family:** Salicaceae **Tsnum:** 93085
Common Name: Norway Poplar
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** A11

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 70-80 ft.
Plant Width: 25-40 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two plants became multi-stem from storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus simonii **Variety:**
Cultivar: **Family:** Salicaceae **Tsnum:** 98036
Common Name: Simon Poplar
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A11

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 60-70 ft.
Plant Width: 30-40 ft
Current Seasons Growth: 1-2 ft.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury on about 1-2% of canopy.
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Attractive leaf shape and color. Tree has regained shape from storm damage.
Wet wood oozing from old branch cut.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus tremula **Variety:**
Cultivar: Erecta **Family:** Salicaceae **Tsnum:** 19031
Common Name: Columnar Swedish Aspen
Source: Carlton Plants **Quantity observed:** 1 **Location:** D8

Observation Date of Plant: 9/21/2020
Plant Habit: Young, undefined
Plant Height: 6-8 ft.
Plant Width: 1 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus tremuloides **Variety:**
Cultivar: **Family:** Salicaceae **Tsnum:** 09076
Common Name: Aspen
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, native planting

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Leaf spot
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in 2011. Bark is not very white yet. Deer have caused moderate damage on trunk. Early fall snow broke out top 8 ft. on Sept. 8, 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus tremuloides **Variety:**
Cultivar: Kaibab **Family:** Salicaceae **Tsnum:** 90120
Common Name: Kaibab Aspen
Source: Progressive Plants **Quantity observed:** 1 **Location:** E8

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, native planting

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Galls
Pest Severity: Slight injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/10/2004
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus x **Variety:** -0-
Cultivar: Brooks No. 6 **Family:** Salicaceae **Tsnum:** 90019
Common Name: Brooks No. 6 Poplar
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **Location:** E9

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval
Plant Height: 60-70 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate injury on base of trunk
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Canopy looks pretty good but old canker at base may be a structural problem in the future.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus x **Variety:**
Cultivar: Northwest **Family:** Salicaceae **Tsnum:** 91134
Common Name: Northwest Poplar
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** A11

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-15 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests: Twig galls, aphids
Pest Severity: Slight injury

Plant Disease:
Disease Severity:

Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Leaf spot caused entire tree to defoliate before any others in 2004, 2012 and 2014 but not as severe in 2006, 2008, 2010, 2018 or 2020. Base of trunk may indicate a canker problem.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Populus x canadensis **Variety:** -0-
Cultivar: Eugenei Imperial **Family:** Salicaceae **Tsnum:** 81198
Common Name: Imperial Carolina Poplar
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** D9

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval
Plant Height: 70-80
Plant Width: 40-50 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, difficult sites, large shade tree

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury
Cultural Problems:
Nuisances: Storm damage
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:**
Cultivar: Bailbrule **Family:** Rosaceae **Tsnum:** 16083
Common Name: First Editions Crème Brulee Potentilla
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** C2, D2

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 3-4 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. Two of the plants are in more shade and have a thinner canopy.

Observation Date of Flowers: 9/13/2017

Flower Color: White/cream

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 5%

Bloom Stage: Past peak

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:**
Cultivar: Bailcitrus **Family:** Rosaceae **Tsnum:** 17072
Common Name: First Editions Citrus Tart Potentilla
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** C1, C2, D1

Observation Date of Plant: 9/14/2021
Plant Habit: Irregular
Plant Height: 2-3 ft.
Plant Width: 2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:**
Cultivar: Bailmeringue **Family:** Rosaceae **Tsnum:** 16084
Common Name: First Editions Lemon Meringue Potentilla
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** D1

Observation Date of Plant: 9/15/2021
Plant Habit: Young, undefined
Plant Height: 2-3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Catherine Dykes **Family:** Rosaceae **Tsnum:** 78131
Common Name: Katherine Dykes Cinquefoil
Source: Unknown **Quantity observed:** 1 **Location:** C2

Observation Date of Plant: 9/14/2021
Plant Habit: Broad oval
Plant Height: 2-4 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to poor
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Marginal
Comments on plant: Rejuvenated in 2008. Growth habit is less uniform than others. Seems to be declining due to too much shade.

Observation Date of Flowers: 7/6/2011
Flower Color: Cream
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers: A big flush of color in June but less than P. 'McKay White' in July.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Goldfinger **Family:** Rosaceae **Tsnum:** 85110
Common Name: Goldfinger Cinquefoil
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** D1

Observation Date of Plant: 9/15/2021
Plant Habit: Broad oval
Plant Height: 3-4 ft.
Plant Width: 4-6 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 7/6/2011
Flower Color: Yellow
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Comments on Flowers: Relatively larger petals.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Jackmanii **Family:** Rosaceae **Tsnum:** 78132
Common Name: Jackman Cinquefoil
Source: Unknown **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/14/2021
Plant Habit: Broad oval
Plant Height: 3-4.5 ft.
Plant Width: 5-6 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2008.

Observation Date of Flowers: 7/6/2011
Flower Color: Yellow
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Klondike **Family:** Rosaceae **Tsnum:** 85111
Common Name: Klondike Cinquefoil
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** C2

Observation Date of Plant: 9/14/2021
Plant Habit: Mounding
Plant Height: 4-5 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 10-20 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated February 2007.

Observation Date of Flowers: 7/6/2011
Flower Color: Yellow
Flower Type: Single
Flower Effect: Excellent
% of Flower Coverage: 50-70%
Bloom Stage: Flowers open
Comments on Flowers: Tiny flowers but a lot of them.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:**
Cultivar: Kobalt **Family:** Rosaceae **Tsnum:** 95118
Common Name: Kobalt Cinquefoil
Source: Oregon Garden Products **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/14/2021
Plant Habit: Round becoming broad oval
Plant Height: 3-4 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in 2008.

Observation Date of Flowers: 7/6/2011
Flower Color: Yellow
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Primrose Beauty **Family:** Rosaceae **Tsnum:** 83208
Common Name: Primrose Beauty Cinquefoil
Source: Monrovia Growers **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular or round

Plant Height: 4-5 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated February 2007.

Observation Date of Flowers: 7/6/2011

Flower Color: Light yellow/cream

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:**
Cultivar: Sunspot **Family:** Rosaceae **Tsnum:** 94086
Common Name: Sunspot Potentilla
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/14/2021

Plant Habit: Round

Plant Height: 3-4 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2008. Growth habit is very uniform and compact.

Observation Date of Flowers: 7/6/2011

Flower Color: Yellow

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Potentilla fruticosa **Variety:** -0-
Cultivar: Veitchii **Family:** Rosaceae **Tsnum:** 83283
Common Name: Vetch Cinquefoil
Source: USDA, Cheyenne **Quantity observed:** 1 **Location:** D1

Observation Date of Plant: 9/15/2021
Plant Habit: Broad oval to round
Plant Height: 3 -4.5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Rejuvenated February 2007. Lost 30-50% of stems during sudden severe freeze November 2014. Would probably look better with full sun. Vigor is declining.

Observation Date of Flowers: 7/6/2011
Flower Color: Yellow
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 76-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prinsepia uniflora **Variety:** serrata
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 81293
Common Name: Hedge Prinsepia
Source: Denver Botanic Gardens **Quantity observed:** 2 **Location:** B0, C0

Observation Date of Plant: 9/9/2021

Plant Habit: Round to broad oval

Plant Height: 4 - 6 ft.

Plant Width: 6-10 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium to light green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, barrier plant

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit is not uniform probably because it seems to be colonizing the area by seedlings or suckers.

Observation Date of Flowers:

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Good to fair

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Comments on Flowers: Mild, pleasing fragrance. Flowering date lost due to software problem.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus armeniaca **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78133
Common Name: Apricot
Source: Unknown **Quantity observed:** 1 **Location:** C2

Observation Date of Plant: 9/14/2021
Plant Habit: Broad oval
Plant Height: 18-25 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, under power lines

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Makes a nice tree even if the flowers gets frozen. Growth habit is a little irregular due to past snowstorm damage.

Observation Date of Flowers: 4/5/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers: Impressive sweet fragrance in a breeze.

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: yellow

Date of observation: 10/28/2008

Persistence: 1-3 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus armeniaca **Variety:** mandshurica
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 81301
Common Name: Manchurian Apricot
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** B6

Observation Date of Plant: 9/10/2021

Plant Habit: Irregular

Plant Height: 4-5 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks a lot better after nearby plants removed creating more sun.

Observation Date of Flowers: 4/5/2006

Flower Color: Pink

Flower Type: single

Flower Effect: Fair to good

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus bessyi **Variety:**
Cultivar: Pawnee Buttes **Family:** Rosaceae **Tsnum:** 20129
Common Name: Pawnee Buttes Sand Cherry
Source: Garden and Home Show **Quantity observed:** 2 **Location:** C8

Observation Date of Plant: 9/14/2021

Plant Habit: Young, undefined

Plant Height: 18 in.

Plant Width: 1-2 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2020.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus cerasifera **Variety:**
Cultivar: Cripoizam **Family:** Rosaceae **Tsnum:** 08012
Common Name: Crimson Pointe Plum
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C6

Observation Date of Plant: 9/14/2021
Plant Habit: Columnar or narrow vase
Plant Height: 12-18 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker - not active
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2011. Canopy is flopping to the side due to distortion from late 2017 May snowfall.

Observation Date of Flowers: 3/27/2012
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus cerasifera **Variety:** -0-
Cultivar: Newport **Family:** Rosaceae **Tsnum:** 93049
Common Name: Kankakee Newport Plum
Source: A. McGill & Son Nursery **Quantity observed:** 2 **Location:** SC9-19,20

Observation Date of Plant: 8/25/2020
Plant Habit: Broad oval to round
Plant Height: 12-18 ft.
Plant Width: 18-24 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Abundant suckering on one tree.
Recommended: Yes
Comments on plant: Moved Spring of 2003 due to unavoidable construction. Has a lot of suckers one of two trees.

Observation Date of Flowers: 4/21/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Comments on Flowers: Has a maroon eye.

Fall Color or Fruit: Fall color **Date of observation:** 10/16/2003
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: burnt red, dark red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus fontanesiana **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78134
Common Name: Des Fontaines Cherry
Source: USDA/NC-7 **Quantity observed:** 1 **Location:** B5

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval
Plant Height: 55-65 ft.
Plant Width: 50-60 ft.
Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, large shade tree

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Purple
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Very attractive gray and red bark. One of the few Prunus not to have ever had major storm damage but apparently had about 50% winter dieback on lower branches in winter of 2020-2021.

Observation Date of Flowers: 4/21/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Comments on Flowers: Very showy.

Fall Color or Fruit: Fall color **Date of observation:** 10/16/2017
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus hortulana **Variety:**
Cultivar: Ames 32077 **Family:** Rosaceae **Tsnum:** 15068
Common Name: Hortulan Plum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** C5

Observation Date of Plant: 9/14/2021
Plant Habit: Young, undefined
Plant Height: 5-7 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus hortulana **Variety:**
Cultivar: Ames 32078 **Family:** Rosaceae **Tsnum:** 15069
Common Name: Hortulan Plum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** C5

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. May look better in full sun. Canopy is a little thin.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus hortulana **Variety:**
Cultivar: Ames 32079 **Family:** Rosaceae **Tsnum:** 15070
Common Name: Hortulan Plum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** C5

Observation Date of Plant: 9/14/2021
Plant Habit: Young, undefined
Plant Height: 5-6 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus maackii **Variety:**
Cultivar: Jefspur **Family:** Rosaceae **Tsnum:** 21026
Common Name: First Editions® Goldspur™
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** HG

Observation Date of Plant: 9/22/2021
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2021 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 11/3/2021

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus mahaleb **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 83156
Common Name: Cherry
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** C5

Observation Date of Plant: 9/14/2021
Plant Habit: Broad oval
Plant Height: 35-45 ft.
Plant Width: 50-60 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Seems not to have any significant problems except for some occasional storm damage.

Observation Date of Flowers: 4/21/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus nigra **Variety:** -0-
Cultivar: Princess Kay **Family:** Rosaceae **Tsnum:** 88139
Common Name: Princess Kay Canada Plum
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** B6

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval becoming irregular
Plant Height: 12-15 ft.
Plant Width: 14-18 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Minor suckers

Recommended: Marginal

Comments on plant: Growth habit deformed by snow. Had significant breakage during last March snow storm. Not a long term tree but fantastic when young.

Observation Date of Flowers: 4/15/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers: Beautiful tufts of double flowers. Fades to pink as it matures.

Fall Color or Fruit: Fall color

Date of observation: 10/6/2008

Aesthetics: Excellent

Persistence: 1-2 weeks

Fall Color: purple, orange, red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus padus **Variety:**
Cultivar: Berg Redleaf **Family:** Rosaceae **Tsnum:** 07031
Common Name: Redleaf May Day Tree
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** C6, SC10-5,12

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 12-16 ft.
Plant Width: 15-Oct
Current Seasons Growth: 10-15 in.

Foliage Color: Dark red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair to good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease: Canker on one tree
Disease Severity: Moderate injury

Cultural Problems:
Nuisances: Moderate suckering

Recommended: Yes

Comments on plant: Planted in 2009. Not as leggy as the species. Has best red foliage of any Prunus in arboretum - very dark rich color and clean. One of three trees has extensive gummosis on south side of trunk. Another tree was disfigured by storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus padus **Variety:**
Cultivar: DTR 117 **Family:** Rosaceae **Tsnum:** 02046
Common Name: Summer Glow Bird Cherry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C6

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 15-25 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Dark red
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems: Many suckers

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2004. Has a large bend in the trunk about halfway up so it appears to have a strange growth habit. Suckers can take over and ruin aesthetics.

Observation Date of Flowers: 4/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Dark purple

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus rivularis **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 03133
Common Name: Creek Plum
Source: Texas **Quantity observed:** 1 **Location:** B6

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval, multistem
Plant Height: 15-20 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Holds leaves late after hard frost.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus sargentii **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82109
Common Name: Sargent Cherry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C5

Observation Date of Plant: 9/14/2021
Plant Habit: Vase
Plant Height: 27-34 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 8 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good to fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Large scar from sun scald or canker on trunk will shorten life span of this tree as well as ruin aesthetics of trunk. May be wider if not crowded by neighboring plants.

Observation Date of Flowers: 3/26/2012

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: orangish red, orange

Date of observation: 10/16/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus sargentii **Variety:**
Cultivar: JFS KW21PX **Family:** Rosaceae **Tsnum:** 20010
Common Name: Pink Myst Sargent Cherry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C6

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 3-6 ft
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2021 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus sargentii **Variety:**
Cultivar: Pink Flair **Family:** Rosaceae **Tsnum:** 01017
Common Name: Pink Flair Cherry
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC10-11

Observation Date of Plant: 8/25/2020

Plant Habit: Vase

Plant Height: 10-15 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Large sun scald damage on southwest side of trunk.

Observation Date of Flowers: 4/14/2006

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Red, orange

Date of observation: 10/14/2014

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus serotina **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78021
Common Name: Black Cherry
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** C5

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shade tree

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: May grow wider if not crowded by nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus spp **Variety:**
Cultivar: P002S **Family:** Rosaceae **Tsnum:** 19143
Common Name: SUCKER PUNCH® Chokecherry
Source: Plant Select **Quantity observed:** 1 **Location:** C6, G3

Observation Date of Plant: 9/14/2021
Plant Habit: Young undefined
Plant Height: 6-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark red
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus subhirtella **Variety:**
Cultivar: Pishshazam **Family:** Rosaceae **Tsnum:** 11083
Common Name: Pink Snow-Showers Weeping Cherry
Source: Dr. Klett **Quantity observed:** 1 **Location:** C6

Observation Date of Plant: 9/14/2021

Plant Habit: weeping

Plant Height: 8-12 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved in 2016 due to unavoidable construction.

Observation Date of Flowers: 4/16/2018

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Very showy

% of Flower Coverage: 70-80%

Bloom Stage: Near peak

Comments on Flowers: Not flowering at end of branches but still showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus subhirtella **Variety:**
Cultivar: Pishshzam **Family:** Rosaceae **Tsnum:** 09047
Common Name: Pink Snow Showers Flowering Cherry
Source: Carlton Plants **Quantity observed:** 1 **Location:** C5, C6

Observation Date of Plant: 9/14/2021
Plant Habit: Weeping
Plant Height: 5-6 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. May have better vigor in more sun.

Observation Date of Flowers: 3/30/2012

Flower Color: Pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-65%

Bloom Stage: Flowers open

Comments on Flowers: Still getting established and should have more flowers as it matures.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Prunus tenella **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 04039
Common Name: Dwarf Russian Almond
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** B6

Observation Date of Plant: 9/10/2021

Plant Habit: Round

Plant Height: 3-4 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 4-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Planted in too much shade.

Nuisances:

Recommended: No

Comments on plant: Getting shaded out by nearby plants.

Observation Date of Flowers: 4/15/2007

Flower Color: Pink

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ptelea polyadenia **Variety:** -0-
Cultivar: -0- **Family:** Rutaceae **Tsnum:** 81297
Common Name: Hoptree
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** D0

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval or round

Plant Height: 15-20 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering.

Recommended: Marginal

Comments on plant: About 40-50% of canopy removed in 2003 and again in 2020 due to damage from late snow.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ptelea trifoliata **Variety:** -0-
Cultivar: -0- **Family:** Rutaceae **Tsnum:** 80030
Common Name: Hoptree
Source: Minnesota Landscape Arboretum **Quantity observed:** 1 **Location:** D0

Observation Date of Plant: 9/15/2021

Plant Habit: Spreading

Plant Height: 18-24 ft.

Plant Width: 30-35 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, small heights/confined areas

Overall Plant Health: Fair to poor

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Tree is chlorotic from unknown cause. Growth habit is smaller and deformed by past storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/21/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pterocarya stenoptera **Variety:**
Cultivar: **Family:** Juglancaceae **Tsnum:** 98072
Common Name: Chinese Wingnut
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D6

Observation Date of Plant: 9/21/2020
Plant Habit: Misshapen, upright
Plant Height: 18-25 ft.
Plant Width: 15-25 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: poor
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Crowding from nearby trees
Nuisances:
Recommended: no
Comments on plant: Top half broken by early Sept 8 snow in 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyracantha angustifolia **Variety:**
Cultivar: Monon **Family:** Rosaceae **Tsnum:** 16009
Common Name: Yukon Belle Pyracantha (Staked)
Source: Monrovia Growers **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021

Plant Habit: Upright, irregular

Plant Height: 3 ft.

Plant Width: 5 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, barrier

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in fall of 2016. Plant seems to have developed a severe lean but new stems growing straight although new stems severely grazed this summer so it hasn't been able to gain much size.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus **Variety:**
Cultivar: NCPX1 **Family:** Rosaceae **Tsnum:** 16025
Common Name: Javelin Flowering Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC08-18, HG

Observation Date of Plant: 8/25/2020
Plant Habit: Columnar
Plant Height: 8-11 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, narrow areas

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2016 and another in 2017. One of two had some foliage but has all turned brown possibly due to irrigation problem.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus **Variety:**
Cultivar: NCPX2 **Family:** Rosaceae **Tsnum:** 19026
Common Name: Chastity™ Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** HG

Observation Date of Plant: 9/21/2020
Plant Habit: Young, undefined
Plant Height: 7-9 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/9/2021

Aesthetics: Fair - not particularly sho **Persistence:** 1-2 weeks

Fall Color: Dark red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus **Variety:**
Cultivar: Silver Ball **Family:** Rosaceae **Tsnum:** 06027
Common Name: Silver Ball Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC09-12

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 8-12 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Residential street, specimen

Overall Plant Health: Excellent

Fruit Present: Few

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. No suckering. Growth habit is very uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus betulifolia **Variety:** -0-
Cultivar: The Dancer **Family:** Rosaceae **Tsnum:** 87181
Common Name: The Dancer Pear
Source: Discover-Tree Research **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021

Plant Habit: Upright oval

Plant Height: 20-25 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to poor

Fruit Present: Few fruit

Fruit Color: Tan, not showy

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Deformed by past snow load. Has moderate chlorosis. 20-40% of canopy is dead from unknown cause.

Observation Date of Flowers: 4/19/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Bradford x Redspire **Family:** Rosaceae **Tsnum:** 94127
Common Name: Bradford x Redspire Pear
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** SC8-16

Observation Date of Plant: 8/25/2020
Plant Habit: Upright, irregular
Plant Height: 15-20 ft.
Plant Width: 18-25 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: Few
Fruit Color: Red/tan
Insect Pests:

Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate injury

Cultural Problems:
Nuisances:

Recommended: No

Comments on plant: Growth habit is poor due to extensive pruning in 2015 to remove dead branches from canker injury but no die back in 2020.

Observation Date of Flowers: 4/2/2012
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 60-70%
Bloom Stage: Flowers open
Comments on Flowers: Bud is pink. Trees has poor vigor.

Fall Color or Fruit: Fall color **Date of observation:** 10/2/2009
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: red, dark red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Capital **Family:** Rosaceae **Tsnum:** 87173
Common Name: Capital Gallery Pear
Source: Monrovia Growers **Quantity observed:** 1 **Location:** D1

Observation Date of Plant: 9/15/2021
Plant Habit: Irregular to upright oval
Plant Height: 20-30 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, residential street tree

Overall Plant Health: Fair to poor
Fruit Present: Few fruit
Fruit Color: Tan, not showy

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit isn't very attractive - branches go in different directions and appear leggy. Probably deformed by snow load. On 11/16/09 snow broke off a large branch - about 25% of canopy. Had 25% dieback during winter of 20-21.

Observation Date of Flowers: 4/15/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Cleveland **Family:** Rosaceae **Tsnum:** 91114
Common Name: Cleveland Callery Pear
Source: Schichtel's Nursery **Quantity observed:** 1 **Location:** C3

Observation Date of Plant: 9/14/2021

Plant Habit: Narrow, upright oval

Plant Height: 35-45 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Tan, not showy

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is slightly irregular due to snow damage a few years ago.

Observation Date of Flowers: 4/2/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Comments on Flowers: Few flowers on branches in partial shade

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Cleveland Select **Family:** Rosaceae **Tsnum:** 88101
Common Name: Cleveland Select Callery Pear
Source: Carlton Plants **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 35-40 ft.
Plant Width: 25-35 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Tan, not showy
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: A few branches are deformed by past snow loads - looks a little leggy but regaining form.

Observation Date of Flowers: 3/30/2012

Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 80-95%
Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/3/2005
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: red, some yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: *Pyrus calleryana* **Variety:**
Cultivar: Gladzam **Family:** Rosaceae **Tsnum:** 04024
Common Name: Gladiator Flowering Pear
Source: Femrite Nursery Company **Quantity observed:** 2 **Location:** SC08-17, SC11-11

Observation Date of Plant: 8/20/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, confined areas

Overall Plant Health: Good
Fruit Present: Few, 0.5 in. diameter
Fruit Color: Dark tan with a hint red
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in 2009. Has a nice growth habit. Second tree has low vigor possibly due to sudden and severe first frost in September 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Glen's Form **Family:** Rosaceae **Tsnum:** 88089
Common Name: Chanticleer Callery Pear
Source: Handy Nursery Co. **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021

Plant Habit: Upright oval

Plant Height: 30-40 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Tan, not showy

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Canopy is more open than when young.

Observation Date of Flowers: 3/30/2012

Flower Color: White, pink buds

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 85-95%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Glen's Form' **Family:** Rosaceae **Tsnum:** 88097
Common Name: Chanticleer Callery Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 15 - 20 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Tan, not showy
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Growth habit is affected by nearby trees - might be wider if had more space.
Lower branches getting shaded out.

Observation Date of Flowers: 4/2/2012
Flower Color: White, pink buds
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 75-90%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Jackzam **Family:** Rosaceae **Tsnum:** 06005
Common Name: Jack Dwarf Flowering Pear
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** SC08-5

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval
Plant Height: 12-16 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, confined areas

Overall Plant Health: Good

Fruit Present: No fruit

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive, compact, growth habit and smaller leaves. Planted in arboretum in 2008. Looks great.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Jaczam **Family:** Rosaceae **Tsnum:** 10020
Common Name: Jack Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** C3

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 10-14 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Confined areas, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2012. Has a slight lean to top 20% which was probably deformed by heavy snow in May 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/4/2015

Aesthetics: Excellent, bright **Persistence:** 1-2 weeks

Fall Color: Rosy red/yellow overall

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Jaczam **Family:** Rosaceae **Tsnum:** 05001
Common Name: Jack Dwarf Flowering Pear
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** SC8-15

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval
Plant Height: 7-10 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, narrow areas

Overall Plant Health: Good
Fruit Present: Moderate amount, round and fairly showy
Fruit Color: Army green with a blush of red
Insect Pests:
Pest Severity:
Plant Disease: Leaf spot
Disease Severity: Slight injury
Cultural Problems:
Nuisances: Moderate suckering
Recommended: Yes
Comments on plant: Planted in arboretum in Fall 2006.

Observation Date of Flowers: 4/5/2012
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:**
Cultivar: Lililzam **Family:** Rosaceae **Tsnum:** 08017
Common Name: Lil' Jill Flowering Pear
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** C3

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval becoming round
Plant Height: 8-10 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Would probably look better in full sun.

Observation Date of Flowers: 4/2/2012
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-50%
Bloom Stage: Flowers open
Comments on Flowers: Will probably get more flowers as it matures.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus calleryana **Variety:** -0-
Cultivar: Stonehill **Family:** Rosaceae **Tsnum:** 92010
Common Name: Stonehill Callery Pear
Source: A. McGill & Son Nursery **Quantity observed:** 2 **Location:** D3, C3

Observation Date of Plant: 9/14/2021
Plant Habit: Narrow, upright oval becoming irregular
Plant Height: 32-40 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Tan, not showy
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Deformed by past snow loads - growth habit is slow to regain form but getting close to normal.

Observation Date of Flowers: 3/30/2012

Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Red

Date of observation: 11/10/2005
Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: *Pyrus calleryana* **Variety:**
Cultivar: Whitehouse **Family:** Rosaceae **Tsnum:** 01041
Common Name: Whitehouse Pear
Source: Monrovia Growers **Quantity observed:** 3 **Location:** D2, D1, SC8-20

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 18-24 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker on one tree

Disease Severity: Moderate to severe on one of three

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Slightly deformed by past snow loads. Planted in arboretum in 2002.

Observation Date of Flowers: 3/26/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus fauriei **Variety:**
Cultivar: Korean Sun **Family:** Rosaceae **Tsnum:** 96076
Common Name: Korean Sun Flowering Pear
Source: Carlton Plants **Quantity observed:** 1 **Location:** SC9-8

Observation Date of Plant: 8/25/2020
Plant Habit: Broad oval
Plant Height: 10-15 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Moderate suckering
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/21/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/15/2012
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: *Pyrus fauriei* **Variety:**
Cultivar: Westwood **Family:** Rosaceae **Tsnum:** 98035
Common Name: Korean Sun Flowering Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC7-3

Observation Date of Plant: 8/26/2020
Plant Habit: Round
Plant Height: 12-18 ft.
Plant Width: 22-28 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Few - not showy
Fruit Color: Army green/tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/1/2009
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus regleii **Variety:** -0-
Cultivar: Angel Wing **Family:** Rosaceae **Tsnum:** 87106
Common Name: Angel Wing Pear
Source: Pacific Coast Nursery **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Round to irregular
Plant Height: 12-18 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Gray/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Leaf spot

Disease Severity: Slight injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Usually starts defoliating in August due to foliar disease.

Observation Date of Flowers: 4/21/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 25-40%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus ussuriensis **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 82216
Common Name: Chinese Pear
Source: USDA, Mandan, ND **Quantity observed:** 1 **Location:** C2

Observation Date of Plant: 9/14/2021
Plant Habit: Broad oval
Plant Height: 25-30 ft.
Plant Width: 50-60 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Maintains a pleasing growth habit even as it matures as opposed to many other P. calleryanas. Appears to get fall color earlier and drop leaves quicker than Callery so maybe less susceptible to snow damage. This could become wider if

Observation Date of Flowers: 3/26/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: golden yellow

Date of observation: 10/5/2011

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus ussuriensis **Variety:**
Cultivar: Mordak **Family:** Rosaceae **Tsnum:** 95038
Common Name: Prairie Gem Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** SC08-14, SC09-9,10,

Observation Date of Plant: 9/20/2021

Plant Habit: Broad oval to round

Plant Height: 12-18 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Army green/tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One tree was moved in 2017 due to unavoidable construction but looked like it was doing well. It was pruned heavily in order to move it so growth habit isn't as wide.

Observation Date of Flowers: 3/28/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-95%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus ussuriensis **Variety:** compactum
Cultivar: Mordak Prariegem **Family:** Rosaceae **Tsnum:** 91135
Common Name: Mordak Prariegem Chinese Pear
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** C3

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval becoming round
Plant Height: 22-28 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: May grow wider if not crowded by neighboring plants.

Observation Date of Flowers: 3/30/2012

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair to poor

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Comments on Flowers: May need full sun for best flowering but still is inferior to other Pyrus.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright yellow

Date of observation: 10/9/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Pyrus x **Variety:**
Cultivar: Edgewood **Family:** Rosaceae **Tsnum:** 98032
Common Name: Edgewood Pear
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC09-11

Observation Date of Plant: 8/25/2020
Plant Habit: Upright oval, irregular
Plant Height: 15-20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Moderate amount of fruit
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Appears to have been deformed by snow damage October 2011. Moved Spring of 2003 due to unavoidable construction. Growth habit is more open than some others.

Observation Date of Flowers: 4/21/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Poor
% of Flower Coverage: 15-25%
Bloom Stage: Flowers open. Flowers mainly on lower third of plant.
Comments on Flowers: Pink buds.

Fall Color or Fruit: Fall color **Date of observation:** 10/16/2003
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Magenta red, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus **Variety:**
Cultivar: Crimschmidt **Family:** Fagaceae **Tsnum:** 95039
Common Name: Crimson Spire Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC7-11

Observation Date of Plant: 8/26/2020
Plant Habit: Columnar
Plant Height: 22-28 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: none

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Excellent growth habit - very uniform. Leaf size seems smaller than many oaks.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright red, dark red

Date of observation: 10/16/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus acutissima **Variety:** -0-
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 80347
Common Name: Sawtooth Oak
Source: US Nat'l Arboretum **Quantity observed:** 1 **Location:** B4

Observation Date of Plant: 9/10/2021
Plant Habit: Irregular
Plant Height: 6-8 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen

Overall Plant Health: Poor
Fruit Present: None
Fruit Color:
Insect Pests: Scale
Pest Severity: Slight injury

Plant Disease:
Disease Severity:

Cultural Problems:
Nuisances:

Recommended: No

Comments on plant: Severely misshapen due to storm damage. Appears mildly chlorotic. Sustained about 50% winter die back in winter of 2020-2021.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus acutissima **Variety:**
Cultivar: Gobbler **Family:** Fagaceae **Tsnum:** 03036
Common Name: Gobbler Sawtooth Oak
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** B5

Observation Date of Plant: 9/10/2021

Plant Habit: Irregular

Plant Height: 6-8 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor

Landscape Uses: Residential street, large shade tree, wildlife

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Was in lathhouse too long and developed a lean to one side.

Nuisances:

Recommended: No

Comments on plant: Planted in 2012. Half of tree dead from probably a canker but remainder has good vigor and aesthetics.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus bicolor **Variety:**
Cultivar: Ames 29669 **Family:** Fagaceae **Tsnum:** 11007
Common Name: Swamp White Oak
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** SC06-01, A5

Observation Date of Plant: 9/13/2021
Plant Habit: Young, undefined
Plant Height: 7-9 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 3-6 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/7/2019
Aesthetics: Fair to good **Persistence:** 1-2 weeks
Fall Color: Golden yellow, tan

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus bicolor **Variety:**
Cultivar: Ames 29670 **Family:** Fagaceae **Tsnum:** 11008
Common Name: Swamp White Oak
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** A4, B4

Observation Date of Plant: 9/6/2021
Plant Habit: Young, undefined
Plant Height: 7-10 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2014. Another tree planted in 2016.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus bicolor **Variety:**
Cultivar: Bonnie and Mike **Family:** Fagaceae **Tsnum:** 12032
Common Name: Beacon Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 4 **Location:** A3, B5, SC07-13, HG

Observation Date of Plant: 9/23/2021
Plant Habit: Upright, narrow columnar
Plant Height: 8-10 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor to good
Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. Very attractive dense growth habit but canopy is mildly chlorotic. One of two seems to be declining.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus bicolor **Variety:**
Cultivar: Bucks Unlimited **Family:** Fagaceae **Tsnum:** 16013
Common Name: Bucks Unlimited Oak
Source: Forrest Keeling Nursery **Quantity observed:** 2 **Location:** B4

Observation Date of Plant: 9/10/2021
Plant Habit: Young undefined
Plant Height: 6-8 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus bicolor **Variety:**
Cultivar: JFS-KW12 **Family:** Fagaceae **Tsnum:** 16026
Common Name: American Dream Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** B5

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Shade tree, specimen

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. One of two trees failed to establish after planting in arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus bicolor **Variety:**
Cultivar: JFS-KW18 **Family:** Fagaceae **Tsnum:** 11016
Common Name: Heartland Swamp White Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/6/2021
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 4-5 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2014. Vigor is low for unknown reason.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/4/2015
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus borealis **Variety:**
Cultivar: **Family:** Fagaceae **Tsnum:** 00046
Common Name: Northern Red Oak
Source: Carlton Plants **Quantity observed:** 2 **Location:** A3, SC7-6

Observation Date of Plant: 9/6/2021
Plant Habit: Upright oval
Plant Height: 30-35 ft.
Plant Width: 8-15 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor to good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Poor to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Vigor is a very low on one of two with severe chlorosis. Cause of decline is unknown. The one would probably look better with full sun as some lower branches getting shaded out.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/8/2009

Aesthetics: Good to excellent

Persistence: 1-2 weeks

Fall Color: Rosy red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus coccinea **Variety:**
Cultivar: **Family:** Fagaceae **Tsnum:** 19033
Common Name: Scarlet Oak
Source: Carlton Plants **Quantity observed:** 2 **Location:** HG, A3

Observation Date of Plant: 9/6/2021
Plant Habit: Young, undefined
Plant Height: 6-8 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus ellipsoidalis **Variety:**
Cultivar: **Family:** Fagaceae **Tsnum:** 99012
Common Name: Northern Pin Oak
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** A5

Observation Date of Plant: 9/7/2021
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/14/2021
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Red, slight yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus gambelii **Variety:** -0-
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 78106
Common Name: Gambel Oak
Source: Western Evergreen Nursery **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/6/2021
Plant Habit: Upright oval
Plant Height: 30-40 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Native planting, xeriscape, small/confined areas, small tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Severe suckering
Recommended: Yes
Comments on plant: This specimen has a very strong central leader.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus gambelii **Variety:** -0-
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 78054
Common Name: Gambel Oak
Source: Colorado Nurseryman **Quantity observed:** 1 **Location:** B3

Observation Date of Plant: 9/9/2021

Plant Habit: Round, multi-stem

Plant Height: 25-35 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Native planting, xeriscape, small/confined areas, small tree or large shrub

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests: Galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Prolific suckering

Recommended: Yes

Comments on plant: Attractive but suckers are a problem.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bronze, yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus macrocarpa **Variety:** -0-
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 78055
Common Name: Bur Oak
Source: Colorado Nurseryman **Quantity observed:** 2 **Location:** A3, A4

Observation Date of Plant: 9/6/2021
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, xeriscape, large shade tree

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests: Galls

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two trees has about 15-20% dead branches on lower limbs - not sure if it's shaded out or something else.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 9/23/2004

Aesthetics: Fair

Persistence: 1-2 weeks

Fall Color: copper, bronze, yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus macrocarpa **Variety:**
Cultivar: Dakota Sunrise **Family:** Fagaceae **Tsnum:** 98049
Common Name: Dakota Sunrise Bur Oak
Source: Direct Value Nursery, St. Cha **Quantity observed:** 1 **Location:** SC7-5

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 23-28 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Galls, abundant
Pest Severity: Slight injury

Plant Disease:
Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Seems to develop large populations of galls on stems which are round and almost ornamental in the winter but may be reducing vigor. Foliage is very dense and very dark green.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair
Fall Color: yellow, red

Date of observation: 10/16/2003
Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus macrocarpa **Variety:**
Cultivar: JFS-KW14 **Family:** Fagaceae **Tsnum:** 16027
Common Name: Cobblestone Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** HG

Observation Date of Plant: 9/14/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Shade tree, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2017. Looked very good until recently due to a unusually early snow on 9/8/20 that broke out the top 4' of central leader. Will try to train new leader.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus macrocarpa **Variety:**
Cultivar: JFS-KW3 **Family:** Fabaceae **Tsnum:** 08013
Common Name: Urban Pinnacle Bur Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** B4

Observation Date of Plant: 9/10/2021

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, xeriscape, large shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Looks okay but lacks vigor. May be in too much shade from nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow, brown

Date of observation: 10/16/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus palustris **Variety:**
Cultivar: Green Pillar **Family:** Fagaceae **Tsnum:** 07038
Common Name: Green Pillar Pin Oak
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** SC07-12

Observation Date of Plant: 8/26/2020
Plant Habit: Columnar
Plant Height: 8-10 ft.
Plant Width: 2 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, confined areas

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2014. Had about 3-4' of top dieback and never leafed out in spring. Unsure of cause but first frost in fall of 2019 was very severe.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus prinoides **Variety:**
Cultivar: **Family:** Fagaceae **Tsnum:** 01030
Common Name: Dwarf Chinkapin Oak
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** A5

Observation Date of Plant: 9/7/2021
Plant Habit: Young, undefined
Plant Height: 5-7 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Fair
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2009. Vigor is very low for unknown reason. Possibly in a container too long. Appears to have had significant dieback while in lathhouse and growth habit is a little distorted. Looking like it gained a little more vigor in 2021.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus robur **Variety:**
Cultivar: **Family:** Fagaceae **Tsnum:** 99030
Common Name: English Oak
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** SC7-7,8

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval
Plant Height: 20-30 ft.
Plant Width: 20-28 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Green turns to brown
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus robur **Variety:** -0-
Cultivar: -0- **Family:** Fagaceae **Tsnum:** 78109
Common Name: English Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** B5

Observation Date of Plant: 9/10/2021
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: poor to good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: One of two looks better than the other since the poor tree has bark flaking off and signs of borers underneath.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus robur **Variety:**
Cultivar: JFS-KW2QX **Family:** Fagaceae **Tsnum:** 15059
Common Name: Skinny Genes Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** B4, HG

Observation Date of Plant: 9/10/2021
Plant Habit: Columnar
Plant Height: 8-12 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good to fair
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good to fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2019 and 2020. Too soon to recommend. One of two trees appears to have lost top 3-4 ft of central leader to canker which may still be spreading lower.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus robur x alba **Variety:**
Cultivar: JFS-KW1QRX **Family:** Fagaceae **Tsnum:** 11017
Common Name: Streetspire Hybrid Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** B4

Observation Date of Plant: 9/10/2021
Plant Habit: Columnar
Plant Height: 5-6 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, confined areas

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2012. Vigor is a little low - in too much shade from nearby plants.
Canker caused top 3 ft. of central leader to die.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Red, darker shades

Date of observation: 11/4/2015

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus shumardii **Variety:**
Cultivar: **Family:** Fagaceae **Tsnum:** 16028
Common Name: Shumard Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** HG

Observation Date of Plant: 10/8/2020
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 6-12in

Foliage Color: Medium to dark green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shade tree, street tree, lawn tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus stellata **Variety:**
Cultivar: **Family:** Fagaceae **Tsnum:** 15104
Common Name: Post Oak
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** SC10-08

Observation Date of Plant: 8/25/2020
Plant Habit: Young, undefined
Plant Height: 6 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, shade tree

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2016. Vigor is very low. May not like high soil pH. Entire tree is moderately to severely chlorotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus x bimundorum **Variety:**
Cultivar: Midwest **Family:** Fagaceae **Tsnum:** 09018
Common Name: Prairie Stature Oak
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A3

Observation Date of Plant: 9/6/2021
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. May have better vigor in full sun now that nearby large tree was removed. Would be taller but lost 1-2 feet of central leader due to storm damage.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Quercus x bimundorum **Variety:**
Cultivar: Midwest **Family:** Fagaceae **Tsnum:** 18023
Common Name: Prairie Stature Oak
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** SC10-07

Observation Date of Plant: 8/25/2020
Plant Habit: Young, undefined
Plant Height: 6-8 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Shade tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2018. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhamnus davurica **Variety:** -0-
Cultivar: -0- **Family:** Rhamnaceae **Tsnum:** 78112
Common Name: Dahurian Buckthorn
Source: USDA/NC-7 **Quantity observed:** 1 **Location:** E6

Observation Date of Plant: 9/28/2020
Plant Habit: Broad oval
Plant Height: 18-25 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: Abundant, attractive
Fruit Color: Purple/black
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: It becomes invasive due to spreading of seeds by birds.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhamnus frangula **Variety:** -0-
Cultivar: Asplenifolia **Family:** Rhamnaceae **Tsnum:** 89124
Common Name: Fernleaf Buckthorn
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** A6

Observation Date of Plant: 9/7/2021
Plant Habit: Upright oval
Plant Height: 10-14 ft.
Plant Width: 10-14 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, small tree

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Getting too much shade from nearby plants.

Nuisances:

Recommended: Yes

Comments on plant: A good plant for a unique texture and appearance. Looks best in full sun. One of two has 90% dieback from too much shade from nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhamnus frangula **Variety:**
Cultivar: Asplenifolia **Family:** Rhamnaceae **Tsnum:** 10003
Common Name: Fernleaf Buckthorn (tree form)
Source: Carlton Plants **Quantity observed:** 2 **Location:** E5

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Great for adding unusually fine textured plants to landscape.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhamnus infectoria **Variety:** -0-
Cultivar: -0- **Family:** Rhamnaceae **Tsnum:** 78111
Common Name: Avignon Berry
Source: USDA/NC-7 **Quantity observed:** 1 **Location:** E6

Observation Date of Plant: 9/28/2020

Plant Habit: Broad oval

Plant Height: 12-18 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, small tree

Overall Plant Health: Good

Fruit Present: Abundant, attractive

Fruit Color: Purple/black

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Seedlings sprouting all over due to spread by birds.

Recommended: Marginal

Comments on plant: Might make a nice small multi-stem tree if pruned up. Seedlings can be somewhat invasive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 9/23/2004

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhododendron **Variety:**
Cultivar: UMNAZ 493 **Family:** Ericaceae **Tsnum:** 16085
Common Name: First Editions Electric Lights Double Pink Azalea
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** C2

Observation Date of Plant: 9/14/2021

Plant Habit: Young, undefined

Plant Height: 2-3 ft.

Plant Width: 2 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2017. Doesn't have much vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhus aromatica **Variety:**
Cultivar: **Family:** Nacardiaceae **Tsnum:** 20058
Common Name: Lacette Fragrant Sumac
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** C8, E5

Observation Date of Plant: 9/14/2021
Plant Habit: Young, undefined
Plant Height: 2 ft.
Plant Width: 2 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhus aromatica **Variety:** -0-
Cultivar: -0- **Family:** Anacardiaceae **Tsnum:** 77009
Common Name: Fragrant Sumac
Source: Unknown **Quantity observed:** 1 **Location:** D4

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval

Plant Height: 6-8 ft.

Plant Width: 10 - 20 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, xeriscape

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Red/orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/28/2003

Aesthetics: Fair

Persistence: 1-2 weeks

Fall Color: golden yellow, orange, red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhus aromatica **Variety:** -0-
Cultivar: Improved **Family:** Anacardiaceae **Tsnum:** 93064
Common Name: Improved Fragrant Sumac
Source: Forrest Keeling Nursery **Quantity observed:** 3 **Location:** A2, A3

Observation Date of Plant: 9/6/2021
Plant Habit: Broad oval
Plant Height: 6-9 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 12-18 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Plants may be wider if they had more space.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhus aromatica **Variety:** serotina
Cultivar: Konza **Family:** Anacardiaceae **Tsnum:** 86178
Common Name: Konza Fragrant Sumac
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D4

Observation Date of Plant: 9/15/2021

Plant Habit: Spreading

Plant Height: 6-7 ft.

Plant Width: 10 - 20 ft.

Current Seasons Growth: 1 - 2 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhus copallinum **Variety:**
Cultivar: **Family:** Anacardiaceae **Tsnum:** 09073
Common Name: Flameleaf Sumac
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval
Plant Height: 5-7 ft
Plant Width: 3-5 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Shrub border

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2013.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/13/2015
Aesthetics: Very good **Persistence:** 1-2 weeks
Fall Color: Red, orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhus trilobata **Variety:** -0-
Cultivar: -0- **Family:** Anacardiaceae **Tsnum:** 78014
Common Name: Skunkbush Sumac
Source: Knox City Plant Material **Quantity observed:** 1 **Location:** D4

Observation Date of Plant: 9/15/2021
Plant Habit: Broad oval
Plant Height: 6 - 10 ft.
Plant Width: 20-25 ft
Current Seasons Growth: 1 - 1.5 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhus trilobata **Variety:** -0-
Cultivar: Bighorn **Family:** Anacardiaceae **Tsnum:** 91127
Common Name: Bighorn Threeleaf Sumac
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** A2

Observation Date of Plant: 9/6/2021

Plant Habit: Broad oval

Plant Height: 6-8 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Few

Fruit Color: Red/orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Getting shaded from nearby plants.

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhus typhina **Variety:**
Cultivar: **Family:** Anacardiaceae **Tsnum:** 19041
Common Name: Staghorn Sumac
Source: Carlton Plants **Quantity observed:** 2 **Location:** D4

Observation Date of Plant: 9/15/2021
Plant Habit: Young, undefined
Plant Height: 5-7 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 36-48 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Excellent
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rhus typhina **Variety:**
Cultivar: Bailtiger **Family:** Anacardiaceae **Tsnum:** 19042
Common Name: Tiger Eyes Staghorn Sumac
Source: Carlton Plants **Quantity observed:** 2 **Location:** C8

Observation Date of Plant: 9/14/2021
Plant Habit: Young, undefined
Plant Height: 3 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes alpinum **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 81314
Common Name: Alpine Currant
Source: Denver Home And Garden Sh **Quantity observed:** 1 **Location:** E6

Observation Date of Plant: 9/28/2020
Plant Habit: Broad oval
Plant Height: 4-6 ft.
Plant Width: 8-12 ft
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit has become open possibly due to snow load

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes alpinum **Variety:** -0-
Cultivar: Green Mound **Family:** Saxifragaceae **Tsnum:** 88123
Common Name: Green Mound Alpine Currant
Source: Timber Creek Nursery **Quantity observed:** 3 **Location:** D6

Observation Date of Plant: 9/21/2020

Plant Habit: Broad oval

Plant Height: 4-5 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Hedge, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very dense growth habit and smaller foliage is attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes alpinum **Variety:**
Cultivar: Pumilum **Family:** Saxifragaceae **Tsnum:** 95059
Common Name: Pumilum Currant
Source: Sjulín Nurseries **Quantity observed:** 2 **Location:** D6

Observation Date of Plant: 9/21/2020
Plant Habit: Broad oval
Plant Height: 3-5 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice dense, compact growth habit.

Observation Date of Flowers: 4/29/2003

Flower Color: Green/Yellow

Flower Type: Cluster

Flower Effect: Poor

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes alpinum **Variety:**
Cultivar: Schroeder **Family:** Saxifragaceae **Tsnum:** 95058
Common Name: Schroeder Currant
Source: Sjulín Nurseries **Quantity observed:** 2 **Location:** D7

Observation Date of Plant: 9/28/2020

Plant Habit: Broad oval

Plant Height: 3-5 ft.

Plant Width: 4-6 ft

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests: Aphids

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Two plants were rejuvenated in 2007. Growth habit would probably look better with full sun.

Observation Date of Flowers: 4/22/2003

Flower Color: White/Green

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 76-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes alpinum **Variety:**
Cultivar: Spreg **Family:** Saxifragaceae **Tsnum:** 03125
Common Name: Green Jeans Alpine Currant
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** D6

Observation Date of Plant: 9/21/2020
Plant Habit: Broad oval, irregular
Plant Height: 3-5 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Light to medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Hedge, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Growth habit isn't very attractive (somewhat leggy) but may do better in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes americanum **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 84023
Common Name: American Black Currant
Source: Denver Botanic Gardens **Quantity observed:** 2 **Location:** D7

Observation Date of Plant: 9/28/2020
Plant Habit: Irregular, upright
Plant Height: 4-6 ft.
Plant Width: 6-8 ft
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor to fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Leaf spot
Disease Severity: Severe injury
Cultural Problems:
Nuisances:
Recommended: No
Comments on plant: Leaf spot disease always seems to make this plant defoliate early. Rejuvenated in 2008.

Observation Date of Flowers: 4/26/2006
Flower Color: Yellow
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 60-80%
Bloom Stage: Flowers open
Comments on Flowers: Nice fragrance.

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes odoratum **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 84202
Common Name: Clove Currant
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** E6

Observation Date of Plant: 9/28/2020
Plant Habit: Irregular
Plant Height: 3-5 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Leaf spot

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Disease causes early defoliation and is not attractive in late summer. Vigor is poor.

Observation Date of Flowers: 4/26/2006

Flower Color: Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Comments on Flowers: Great fragrance.

Fall Color or Fruit: Fall color

Aesthetics: Very good

Fall Color: Dark red

Date of observation: 9/26/2012

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes sanguineum **Variety:**
Cultivar: White Icicle **Family:** Saxifragaceae **Tsnum:** 03006
Common Name: White Icicle Flowering Currant
Source: Carlton Plants **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/28/2020
Plant Habit: Upright, irregular
Plant Height: 2-4 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shrub border, specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2003. Often seems to die back to the ground each winter - not hardy for this area although it seemed to survive last winter okay. Growth habit is very irregular.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes sativum **Variety:**
Cultivar: Red Lake **Family:** Grossulariaceae **Tsnum:** 16104
Common Name: Red Lake Currant
Source: Garden and Home Show **Quantity observed:** 1 **Location:** D7

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 3-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Shrub border, wildlife

Overall Plant Health: Fair

Fruit Present: Few

Fruit Color: red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2016. Vigor may improve in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ribes species **Variety:** -0-
Cultivar: -0- **Family:** Saxifragaceae **Tsnum:** 78053
Common Name: Holland Lang Currant
Source: Alaska Plant Material Center **Quantity observed:** 2 **Location:** E6, E7

Observation Date of Plant: 9/28/2020

Plant Habit: Round to broad oval

Plant Height: 2-4 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better if not crowded by nearby plants and had more sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Robina pseudoacacia **Variety:**
Cultivar: Frisia **Family:** Leguminosae **Tsnum:** 06036
Common Name: Frisia Locust
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** A9, A10, SC11-8

Observation Date of Plant: 8/20/2020
Plant Habit: Upright, irregular
Plant Height: 30-35 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in

Foliage Color: Yellow/green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests: Borers

Pest Severity: Minor injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2007. One tree is flopping and bending as if trunk is too weak but the other two look good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Robinia pseudoacacia **Variety:**
Cultivar: Contorted **Family:** Fabaceae **Tsnum:** 96078
Common Name: Contorted Black Locust
Source: Carlton Plants **Quantity observed:** 3 **Location:** A9

Observation Date of Plant: 8/24/2020
Plant Habit: Upright, irregular
Plant Height: 18-24 ft.
Plant Width: 10-15ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen

Overall Plant Health: Poor
Fruit Present: None
Fruit Color:
Insect Pests: Borers
Pest Severity: Severe injury

Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No

Comments on plant: Moved in 2003 due to unavoidable construction. Canopy is thin which is probably due to borers. May need systemic insecticide for long term viability. About 50% of canopy removed due to dieback spring of 2020.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Robinia pseudoacacia **Variety:**
Cultivar: Inermis **Family:** Fabaceae **Tsnum:** 08006
Common Name: Globe Locust
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A9

Observation Date of Plant: 8/24/2020
Plant Habit: Round becoming broad oval and irregular
Plant Height: 10-15 ft.
Plant Width: 12-17 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Borers
Pest Severity: Slight to moderate injury

Plant Disease:
Disease Severity:

Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Some winter dieback has left it looking a little misshapen.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Robinia pseudoacacia **Variety:**
Cultivar: Lace Lady **Family:** Fabaceae **Tsnum:** 09049
Common Name: Twisty Baby Black Locust
Source: Carlton Plants **Quantity observed:** 1 **Location:** A10

Observation Date of Plant: 8/24/2020

Plant Habit: Irregular

Plant Height: 7-10 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen

Overall Plant Health: fair

Fruit Present: None

Fruit Color:

Insect Pests: Borers

Pest Severity: Moderate injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2011. Lost central leader. Borers may make this a short term tree.
Has slight chlorosis overall.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Robinia x ambigua **Variety:** -0-
Cultivar: Idahoensis **Family:** Leguminosae **Tsnum:** 78037
Common Name: Idaho Locust
Source: Milton Nursery **Quantity observed:** 1 **Location:** C6

Observation Date of Plant: 8/31/2020
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, difficult sites

Overall Plant Health: Good
Fruit Present: None
Fruit Color:

Insect Pests: Borers
Pest Severity: Slight injury

Plant Disease:
Disease Severity:

Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Appears to have survived the infestations of borers that was a significant problem in the past. Might grow wider if it had more room.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: AAC333 (a.k.a. Oscar Pe **Family:** Rosaceae **Tsnum:** 18163
Common Name: Easy Elegance® Oscar Peterson Rose
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** G3

Observation Date of Plant: 9/17/2021

Plant Habit: Round or irregular

Plant Height: 4-5 ft.

Plant Width: 5-6 ft.

Current Seasons Growth: 10-15 in

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Specimen, barrier plant, shrub border

Overall Plant Health: Good

Fruit Present: Abundant, showy

Fruit Color: Green turning to orange/ red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Growth habit is more compact and uniform than most roses.

Observation Date of Flowers: 9/29/2018

Flower Color: White

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 25-50%

Bloom Stage: Blooming

Comments on Flowers: All look good but one plant is very showy

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: BAface **Family:** Rosaceae **Tsnum:** 18164
Common Name: Easy Elegance® Funny Face® Rose
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** G3

Observation Date of Plant: 9/17/2021

Plant Habit: Round or irregular

Plant Height: 3-5 ft

Plant Width: 4-6 ft.

Current Seasons Growth: 10-15 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, barrier plant

Overall Plant Health: Good

Fruit Present: Abundant, large, showy

Fruit Color: Green turning to orange/ red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Rose hips are very large and showy.

Observation Date of Flowers: 9/29/2018

Flower Color: Pink

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 20.00%

Bloom Stage: Blooming

Comments on Flowers: Not a lot of blooms but still showy late in season.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Bron **Family:** Rosaceae **Tsnum:** 19063
Common Name: Bron Rose
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** G5

Observation Date of Plant: 9/17/2021
Plant Habit: Irregular
Plant Height: 2-3.5 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2019. Unique flower color with apricot/orange and shades of red.
Bloomed until hard frost

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Chi-red **Family:** Rosaceae **Tsnum:** 18165
Common Name: Easy Elegance® Chi Rose
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** G3

Observation Date of Plant: 9/17/2021
Plant Habit: Irregular, broad oval
Plant Height: 3-4.5 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Dark green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, barrier plant

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Flowered all summer up until frost.

Observation Date of Flowers: 9/29/2018

Flower Color: Red

Flower Type: Cluster, double petals

Flower Effect: Good

% of Flower Coverage: 30.00%

Bloom Stage: Blooming

Comments on Flowers: Red flower really pops against dark green foliage.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Kolorscape Cardinal **Family:** Rosaceae **Tsnum:** 16078
Common Name: Kolorscape Cardinal Rose
Source: Ball Ingenuity **Quantity observed:** 2 **Location:** C1

Observation Date of Plant: 9/13/2021

Plant Habit: Irregular

Plant Height: 2-3 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green, glossy

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor to fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2016. One of two is getting crowded out by neighboring plant and second one has moderate case of leaf spot but looked good most of summer.

Observation Date of Flowers: 9/12/2017

Flower Color: Red

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 10-20%

Bloom Stage: Open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Kolorscape Flamingo **Family:** Rosaceae **Tsnum:** 16074
Common Name: Kolorscape Flamingo Rose
Source: Ball Ingenuity **Quantity observed:** 3 **Location:** B1, C1

Observation Date of Plant: 9/9/2021
Plant Habit: Irregular
Plant Height: 3-5 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 20-30 in.

Foliage Color: Dark green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2016. One of three is much smaller than others and about a third of it is very chlorotic.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Meidrifora **Family:** Rosaceae **Tsnum:** 15113
Common Name: Coral Drift® Rose
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** DH

Observation Date of Plant: 8/1/2021
Plant Habit: Round to broad oval
Plant Height: 12-18 in.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2015. Appears to be in decline.

Observation Date of Flowers: 9/12/2017

Flower Color: Salmon

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 20%

Bloom Stage: Open

Comments on Flowers: Very showy

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Meigalpio **Family:** Rosaceae **Tsnum:** 15117
Common Name: Red Drift® Rose
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/14/2021
Plant Habit: Broad oval
Plant Height: 6-12 in.
Plant Width: 1 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015. Vigor is low.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Meiggili **Family:** Rosaceae **Tsnum:** 15114
Common Name: Peach Drift® Rose
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/13/2021
Plant Habit: Young, undefined
Plant Height: 12-24 in.
Plant Width: 2-3 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2015. Would probably look better in full sun. Only one is surviving but is attractive.

Observation Date of Flowers: 9/12/2017

Flower Color: Peach, pink with white shading

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 20%

Bloom Stage: Open

Comments on Flowers: Great flower color

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Meimirrote **Family:** Rosaceae **Tsnum:** 15112
Common Name: Apricot Drift® Rose
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **Location:** DH

Observation Date of Plant: 8/10/2021
Plant Habit: Broad oval
Plant Height: 12-18 in.
Plant Width: 12-24 in.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015. Nice flush of initial flowers but very few after that. May need more irrigation to improve vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Meisweldom **Family:** Rosaceae **Tsnum:** 15118
Common Name: Sweet Drift® Rose
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** DH

Observation Date of Plant: 8/10/2021
Plant Habit: Broad oval
Plant Height: 15-20"
Plant Width: 2.5-3.5'
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015. Flowering was a little low and may improve with better irrigation.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Novarospop **Family:** Rosaceae **Tsnum:** 15116
Common Name: Popcorn Drift® Rose
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/14/2021
Plant Habit: Irregular
Plant Height: 18-24 in.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2015.

Observation Date of Flowers: 9/12/2017
Flower Color: Light yellow fading to almost white. Some pink in bud stage.
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 10-20%
Bloom Stage: Open
Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Patriot Dream **Family:** Rosaceae **Tsnum:** 19064
Common Name: Patriot Dream Rose
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/14/2021
Plant Habit: Broad oval
Plant Height: 1-2 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2020.

Observation Date of Flowers: 10/8/2020
Flower Color: Pink shades
Flower Type: Single
Flower Effect: Very showy
% of Flower Coverage: 10%
Bloom Stage: Past peak
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa
Cultivar: Radrazz
Common Name: Knock Out Rose
Source: The Conard Pyle Co.

Family: Rosaceae
Quantity observed: 2

Variety:
Tsnum: 08040
Location: C1

Observation Date of Plant: 9/14/2021

Plant Habit: Broad oval or round

Plant Height: 2-3 ft

Plant Width: 2-3 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, barrier, specimen, shrub border

Overall Plant Health: Good

Fruit Present: Unimportant

Fruit Color: Green to brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers: 9/12/2017

Flower Color: Deep pink, rose

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 10%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: Sunrosa Yellow **Family:** Rosaceae **Tsnum:** 16075
Common Name: Sunrosa Yellow Rose
Source: Suntory Flowers **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/13/2021

Plant Habit: Round

Plant Height: 12 in.

Plant Width: 10 in.

Current Seasons Growth: 3-4 in

Foliage Color: Medium to dark green, glossy

Bark Characteristics: Unimportant

Plant Summer Texture: fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2016. In decline possibly from too much shade from nearby plants.

Observation Date of Flowers: 9/12/2017

Flower Color: Yellow

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 10-15%

Bloom Stage: Open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: The Finest **Family:** Rosaceae **Tsnum:** 19065
Common Name: The Finest Rose
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** G5, G6

Observation Date of Plant: 9/17/2021
Plant Habit: Irregular
Plant Height: 3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 8-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: ZLEEltonStrack **Family:** Rosaceae **Tsnum:** 16086
Common Name: First Editions Above and Beyond Rose
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** C1

Observation Date of Plant: 9/13/2021
Plant Habit: Irregular
Plant Height: 4-6 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 24-36 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2016.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa **Variety:**
Cultivar: ZLEEltonStrack **Family:** Rosaceae **Tsnum:** 17090
Common Name: First Editions Above and Beyond Rose
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** C1, D1

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular

Plant Height: 3-6 ft.

Plant Width: 3-6 ft.

Current Seasons Growth: 5ft. in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2019. One may be reverting as the growth habit and vigor is much more wild looking.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa glauca **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 10109
Common Name: Redleaf rose
Source: Plant Select DBG **Quantity observed:** 4 **Location:** C2, G3

Observation Date of Plant: 9/14/2021
Plant Habit: Irregular, arching
Plant Height: 5-7 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Blue/green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to good
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Fair to good

Fruit Present: Showy, few

Fruit Color: Red/orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One plant would probably look better with full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa x
Cultivar: Meiklutz
Common Name: Fairy Meidiland Rose
Source: The Conard Pyle Co.

Family: Rosaceae
Quantity observed: 1

Variety:
Tsnum: 07018
Location: C1

Observation Date of Plant: 9/13/2021
Plant Habit: Irregular, arching, open
Plant Height: 3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2008. Getting shaded by nearby tree so vigor is not optimum.

Observation Date of Flowers: 9/15/2013
Flower Color: Deep pink
Flower Type: Double petals
Flower Effect: Good
% of Flower Coverage: 5%
Bloom Stage: Past peak
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa x
Cultivar: Radral
Common Name: Carefree Celebration Rose
Source: The Conard Pyle Co.

Variety:
Tsnum: 07017

Family: Rosaceae
Quantity observed: 1
Location: C1

Observation Date of Plant: 9/13/2021

Plant Habit: Irregular, upright

Plant Height: 1 ft.

Plant Width: 1 ft

Current Seasons Growth: 6 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Poor to good

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Poor to good

Fruit Present: Unimportant

Fruit Color: Green to brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2008. One of two in severe decline possibly from too much shade.

Observation Date of Flowers: 9/12/2017

Flower Color: Apricot/pink/salmon

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 10%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa x
Cultivar: Radtkopink
Common Name: Double Pink Knock Out Rose
Source: The Conard Pyle Co.

Variety:
Tsnum: 07019

Family: Rosaceae

Quantity observed: 1 **Location:** C1

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular

Plant Height: 1-2 ft.

Plant Width: 2-3 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier, specimen, shrub border

Overall Plant Health: Good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008.

Observation Date of Flowers: 9/12/2017

Flower Color: Pink

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 25%

Bloom Stage: Flowers open

Comments on Flowers: Vibrant color

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rosa x
Cultivar: Ruby Voo Doo **Family:** Rosaceae **Variety:**
Common Name: Ruby Voo Doo **Tsnum:** 10127
Source: Plant Select/DBG **Quantity observed:** 5 **Location:** GH

Observation Date of Plant: 8/5/2021
Plant Habit: Upright, arching, irregular
Plant Height: 6-8 ft
Plant Width: 7-9 ft.
Current Seasons Growth: 36-48 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Barrier (thorns), Specimen, Shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010. Often has some dieback after winter but doesn't affect new vigor.

Observation Date of Flowers: 9/1/2017

Flower Color: Ruby/red

Flower Type: Single

Flower Effect: Good

% of Flower Coverage: 20%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Rubus x tridel **Variety:**
Cultivar: Beneden **Family:** Rosaceae **Tsnum:** 97250
Common Name: Benenden Thimbleberry
Source: Fort Collins Nursery **Quantity observed:** 1 **Location:** G2

Observation Date of Plant: 9/17/2021
Plant Habit: Irregular
Plant Height: 3 ft.
Plant Width: 3-5 ft
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Never have noticed much fruit but may be in too much shade. Growth habit is a little leggy but may look better if not crowded by neighboring plants. Seems to be losing size as shade increases from nearby plants.

Observation Date of Flowers: 5/10/2006
Flower Color: White
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 26-50%
Bloom Stage: Flowers open

Comments on Flowers: Flowers are 1.5-2.0 inches across and are showy but relatively few compared to something like a mockorange or spirea.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix alba **Variety:** -0-
Cultivar: Altra **Family:** Salicaceae **Tsnum:** 78209
Common Name: Altra White Willow
Source: Unknown **Quantity observed:** 1 **Location:** F8

Observation Date of Plant: 10/5/2020
Plant Habit: Becoming broad oval, multistem
Plant Height: 50-55 ft.
Plant Width: 60-70 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, erosion control, large shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:

Plant Disease: Canker
Disease Severity: Moderate injury
Cultural Problems:
Nuisances:

Recommended: Yes
Comments on plant: Seems to have better resistance to canker than most Salix but starting to accumulate significant amount of dead branches.

Observation Date of Flowers: 4/1/2003
Flower Color: Lt. Yellow
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix alba **Variety:**
Cultivar: Britzensis **Family:** Salicaceae **Tsnum:** 94002
Common Name: Brilliant Redtwigged Willow
Source: Sjulín Nurseries **Quantity observed:** 2 **Location:** A10

Observation Date of Plant: 8/24/2020
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 30-40 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Medium to dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, erosion control

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate injury 10-20% of canopy was affected in past but looks better now.

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Twigs are attractive/colorful all year long but less noticeable in the summer and maybe as it matures as well. Accumulating a lot of dead limbs from old cankers - about 15% of canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix candida **Variety:**
Cultivar: Jefberg **Family:** Salicaceae **Tsnum:** 18166
Common Name: First Editions® Iceberg Alley™ Sageleaf Willow
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** G4

Observation Date of Plant: 9/17/2021

Plant Habit: Broad oval

Plant Height: 1.5-3 ft

Plant Width: 3-5 ft

Current Seasons Growth: 6-12 in

Foliage Color: Gray green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Vigor and appearance seems to have gone down since last evaluation for unknown reason.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix caprea **Variety:** -0-
Cultivar: -0- **Family:** Salicaceae **Tsnum:** 84191
Common Name: Pussy Willow
Source: Skinner Wholesale Nursery In **Quantity observed:** 2 **Location:** F8, F9

Observation Date of Plant: 10/5/2020

Plant Habit: Round

Plant Height: 8-12 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 3/15/2012

Flower Color: Silver/Yellow

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix discolor **Variety:** -0-
Cultivar: -0- **Family:** Salicaceae **Tsnum:** 84192
Common Name: Pussy Willow
Source: Skinner Wholesale Nursery In **Quantity observed:** 1 **Location:** F9

Observation Date of Plant: 10/5/2020

Plant Habit: Upright oval

Plant Height: 12-18 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 3-4 ft.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, native planting, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances: Susceptible to storm damage

Recommended: No

Comments on plant: Rejuvenated in 2017.

Observation Date of Flowers: 3/15/2012

Flower Color: Silver/Yellow

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix matsudana **Variety:** -0-
Cultivar: Tortuosa **Family:** Salicaceae **Tsnum:** 89135
Common Name: Corkscrew Willow
Source: Sherman Nursery **Quantity observed:** 1 **Location:** E9

Observation Date of Plant: 10/5/2020
Plant Habit: Vase to upright oval and becoming irregular as it ages
Plant Height: 10-20 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Interesting growth habit but cankers are a continual problem. Thirty percent of canopy removed in 2011 due to snow damage. Over 50% dead in 2016. Another 20% dead in 2018. At least 50% dead in 2020.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 9/23/2004

Persistence: 2-4 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix pentandra **Variety:**
Cultivar: Silver Lake **Family:** Salicaceae **Tsnum:** 06042
Common Name: Silver Lake Willow
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** F9

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval becoming irregular
Plant Height: 10-15 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, wet areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Growth habit is not very uniform.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix purpurea **Variety:** -0-
Cultivar: Gracilis **Family:** Salicaceae **Tsnum:** 84141
Common Name: Dwarf Blueleaf Arctic Willow
Source: Mount Arbor Nursery **Quantity observed:** 1 **Location:** F8

Observation Date of Plant: 10/5/2020

Plant Habit: Irregular

Plant Height: 4-6 ft.

Plant Width: 4-6 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Blue/green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Two plants died from cankers and third is barely still there.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix x **Variety:** -0-
Cultivar: Flame **Family:** Salicaceae **Tsnum:** 84201
Common Name: Flame Willow
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** F7, F8

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 10-12 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Poor
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Severe injury
Cultural Problems:
Nuisances:
Recommended: No
Comments on plant: Keeps getting shorter due to dieback from canker.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/10/2004
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix x **Variety:** -0-
Cultivar: Globe **Family:** Salicaceae **Tsnum:** 88079
Common Name: Globe Willow
Source: Mount Arbor Nursery **Quantity observed:** 1 **Location:** F10

Observation Date of Plant: 10/5/2020
Plant Habit: Broad oval to round but becoming irregular
Plant Height: 30-40 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, difficult sites

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Decreased in width due to snow damage October 2011.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2003
Aesthetics: Fair **Persistence:** 2-4 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Salix x **Variety:** -0-
Cultivar: Irette **Family:** Salicaceae **Tsnum:** 84231
Common Name: Irette Willow
Source: USDA, Glen Dale, MD **Quantity observed:** 1 **Location:** F9

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval
Plant Height: 5-6 ft.
Plant Width: 5-6 ft
Current Seasons Growth: 5-6 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Shrub border, erosion control

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Severe injury
Cultural Problems:
Nuisances: Susceptible to storm damage
Recommended: Marginal
Comments on plant: Rejuvenated in 2020 due to severe canker damage.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sambucus **Variety:**
Cultivar: Black Beauty **Family:** Caprifoliaceae **Tsnum:** 05090
Common Name: Black Beauty Elder
Source: Proven Winners **Quantity observed:** 2 **Location:** A11

Observation Date of Plant: 8/25/2020

Plant Habit: Irregular

Plant Height: 5-7 ft.

Plant Width: 8-10 ft.

Current Seasons Growth: 8-14 in.

Foliage Color: Dark purple/red green matures to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Dark green

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This cultivar isn't as dark as S. 'Black Lace'.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sambucus **Variety:**
Cultivar: Black Lace **Family:** Caprifoliaceae **Tsnum:** 05101
Common Name: Black Lace Elder
Source: Proven Winners **Quantity observed:** 1 **Location:** A11

Observation Date of Plant: 8/26/2020
Plant Habit: Broad oval to round
Plant Height: 4-5 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 12-24 in

Foliage Color: Dark purple - close to black
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Dark purple/red
Insect Pests:

Pest Severity:
Plant Disease: Canker
Disease Severity: Slight injury

Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Great for garden texture and foliage color. Vigor seems low on most of plant.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sambucus canadensis **Variety:** laciniata
Cultivar: -0- **Family:** Carifoliaceae **Tsnum:** 91087
Common Name: Cutleaf American Elder
Source: Sherman Nursery **Quantity observed:** 2 **Location:** A13

Observation Date of Plant: 9/14/2020

Plant Habit: Vase, arching

Plant Height: 8-10 ft.

Plant Width: 8-12 ft

Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Abundant on sunny side of plant

Fruit Color: Black

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Requires regular pruning to remove dead branches.

Recommended: Yes

Comments on plant: Nice foliage to add textural interest to landscape but can colonize an area.

Observation Date of Flowers: 6/12/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 75-90%

Bloom Stage: Flowers open

Comments on Flowers: Tiny flowers, delicate appearance

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sambucus nigra **Variety:**
Cultivar: Gerda **Family:** Caprifoliaceae **Tsnum:** 04049
Common Name: Black Beauty Elderberry
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** A13

Observation Date of Plant: 8/26/2020

Plant Habit: Irregular

Plant Height: 4-5 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 24-36 in.

Foliage Color: Dark purple/green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Seems to have some dieback from unknown cause but may look better in full sun. Foliage seems to fade to more of a dark green late in season.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sambucus nigra **Variety:**
Cultivar: Madonna **Family:** Caprifoliaceae **Tsnum:** 06012
Common Name: Madonna European Alder
Source: Carlton Plants **Quantity observed:** 1 **Location:** A12

Observation Date of Plant: 8/27/2020

Plant Habit: Upright oval

Plant Height: 3-4.5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Variegated - light green with yellow edges which fade to white

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2006. Variegated foliage is brighter toward the tips. May look better in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sambucus pubens **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 87148
Common Name: Red Elderberry
Source: American Horticultural Societ **Quantity observed:** 2 **Location:** A13

Observation Date of Plant: 8/26/2020
Plant Habit: Vase or irregular
Plant Height: 7-10 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Requires regular pruning to remove dead branches.

Observation Date of Flowers: 5/2/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers: Fruit became a showy, rich red color.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sambucus racemosa **Variety:**
Cultivar: Morden Golden Glow **Family:** Caprifoliaceae **Tsnum:** 17096
Common Name: Morden Golden Glow Elderberry
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **Location:** A13

Observation Date of Plant: 8/28/2020
Plant Habit: Young, undefined
Plant Height: 2-3 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Green/yellow
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, wildlife

Overall Plant Health: Fair
Fruit Present: None first year
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems: Probably needs better irrigation
Nuisances:
Recommended: n/a
Comments on plant: Planted in 2017. Low vigor from inadequate irrigation system.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Shepherdia argentea **Variety:**
Cultivar: **Family:** Elaeagnaceae **Tsnum:** 97273
Common Name: Silver Buffalo Berry
Source: USDA, Meeker, CO **Quantity observed:** 1 **Location:** G6

Observation Date of Plant: 10/7/2020

Plant Habit: Irregular or broad oval

Plant Height: 8-10 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 8-15 in.

Foliage Color: Medium olive gray/green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Barrier, xeriscape, shrub border, wildlife

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2005. Growth habit is not very attractive.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sibiraea laevigata **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78119
Common Name: Siberian Spirea
Source: USDA/NC-7 **Quantity observed:** 2 **Location:** E5, G0

Observation Date of Plant: 9/28/2020
Plant Habit: Irregular to broad oval
Plant Height: 4-5 ft.
Plant Width: 7-9 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Often only looks good in the spring and early summer. Often gets chlorotic around August. One of two plants has died back about 80% from general decline.

Observation Date of Flowers: 5/22/2006

Flower Color: Cream

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow and orange/red

Date of observation: 9/26/2006

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sophora japonica **Variety:** -0-
Cultivar: -0- **Family:** Leguminosae **Tsnum:** 78120
Common Name: Japanese Pagoda Tree
Source: Milton Nursery **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 50-60 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 1 - 2 ft.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: Abundant fruit
Fruit Color: Green
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes
Comments on plant: Looks good despite past storm damage.

Observation Date of Flowers: 8/22/2003
Flower Color: Cream/white
Flower Type: Cluster
Flower Effect: Good to fair
% of Flower Coverage: 30-40%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sophora japonica **Variety:**
Cultivar: Halka **Family:** Fabaceae **Tsnum:** 00036
Common Name: Millstone Japanese Pagodatree
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** D6

Observation Date of Plant: 9/21/2020

Plant Habit: Upright oval

Plant Height: 35-45 ft.

Plant Width: 25-35 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Tree sustained significant storm damage October 2011 that ruined growth habit but recovering by 2016. This cultivar has fewer twigs with canker than Sophora 'Regent'.

Observation Date of Flowers: 8/22/2003

Flower Color:

Flower Type:

Flower Effect: Poor

% of Flower Coverage:

Bloom Stage:

Comments on Flowers: Not even a hint of flowers this year - possibly in too much shade but doesn't seem likely.

Fall Color or Fruit: Fall color

Date of observation: 11/8/2016

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbaria kirikowii **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 02018
Common Name: Falsespirea
Source: Sjulín Nurseries **Quantity observed:** 3 **Location:** A0, A1

Observation Date of Plant: 9/4/2021
Plant Habit: Upright oval some becoming round
Plant Height: 6-9 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair to poor

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Growth habit is much more uniform and attractive than most Sorbaria. Suckering appears to be less vigorous. One of three is weak in vigor from unknown cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbaria sorbifolia **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 83178
Common Name: Ural False Spirea
Source: Bailey Nurseries **Quantity observed:** 5 **Location:** C2

Observation Date of Plant: 9/14/2021
Plant Habit: Upright
Plant Height: 6-8 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 2 - 4 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shrub border, erosion control

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:

Nuisances: Colonizes the area and may become invasive.
Recommended: Marginal
Comments on plant: Will colonize surrounding area if given the chance.

Observation Date of Flowers: 7/15/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 26-50%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/3/2005
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbaria sorbifolia **Variety:**
Cultivar: 13199 **Family:** Rosaceae **Tsnum:** 97086
Common Name: 13199 False Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Upright, colonizing area from suckers
Plant Height: 1-2 ft.
Plant Width: 1-2 ft
Current Seasons Growth: 6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Suckering can colonize an area

Recommended: No

Comments on plant: Near death and in decline. May require more irrigation and sun than it gets at the edge of the arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbaria sorbifolia **Variety:**
Cultivar: 20178 **Family:** Rosaceae **Tsnum:** 97087
Common Name: 20178 False Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Upright, irregular
Plant Height: 2-4 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 1-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Suckering can colonize an area
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbaria sorbifolia **Variety:**
Cultivar: 21773 **Family:** Rosaceae **Tsnum:** 97088
Common Name: 21773 False Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** A1

Observation Date of Plant: 9/6/2021
Plant Habit: Upright
Plant Height: 5-7 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 2 - 4 ft.

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Has better uniformity than most Sorbaria.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/16/2003
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbaria sorbifolia **Variety:**
Cultivar: Skinner's Strain **Family:** Rosaceae **Tsnum:** 00154
Common Name: Skinner's strain Ural Falsespirea
Source: Fort Collins Nursery **Quantity observed:** 2 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Upright, colonizing area from suckers
Plant Height: 4-7 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, erosion control

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Suckering can colonize an area
Recommended: Yes
Comments on plant: Would probably be wider if not crowded by neighboring trees.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbaria sp. **Variety:**
Cultivar: 10741 **Family:** Rosaceae **Tsnum:** 97085
Common Name: 10741 False Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Upright, irregular, colonizing area with suckers
Plant Height: 5-7 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 3-5 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Suckering can colonize an area
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbaria tomentosa **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 91097
Common Name: False Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** A0

Observation Date of Plant: 9/4/2021
Plant Habit: Upright, irregular
Plant Height: 2-4 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Transplanted in 2003 due to construction and hasn't had much vigor since. Only one plant left and it looks weak. May be in too much shade or not getting enough irrigation at corner of arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbus aria **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 81277
Common Name: White Beam Tree
Source: Denver Botanic Gardens **Quantity observed:** 2 **Location:** C4

Observation Date of Plant: 9/14/2021

Plant Habit: Upright oval

Plant Height: 25-35 ft.

Plant Width: 18-25 ft.

Current Seasons Growth: 8-12 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better if not crowded by neighbors.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 11/3/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbus aucuparia **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 78116
Common Name: European Mountain Ash
Source: -0- **Quantity observed:** 1 **Location:** C4

Observation Date of Plant: 9/14/2021

Plant Habit: Upright oval

Plant Height: 35-45 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Wildlife, residential street, specimen

Overall Plant Health: Good

Fruit Present: Abundant fruiting, showy

Fruit Color: Orange/red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has some bad crotch angles but very attractive overall.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: orange/red

Date of observation: 11/3/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbus aucuparia **Variety:** -0-
Cultivar: Blackhawk **Family:** Rosaceae **Tsnum:** 85142
Common Name: Blackhawk European Ash
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** B3, B4

Observation Date of Plant: 9/9/2021

Plant Habit: Upright oval

Plant Height: 35-45 ft.

Plant Width: 30-40 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Wildlife, residential street, specimen

Overall Plant Health: Fair

Fruit Present: Abundant fruiting

Fruit Color: Orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has a nice growth habit. Canopy on half the tree is very thin from unknown cause.

Observation Date of Flowers: 5/7/2003

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 51-75%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: orange/red, yellow

Date of observation: 11/3/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbus aucuparia **Variety:** -0-
Cultivar: Cardinal Royal **Family:** Rosaceae **Tsnum:** 84139
Common Name: Cardinal Royal European Mtn. Ash
Source: Mount Arbor Nursery **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval to pyramidal
Plant Height: 30-40 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen

Overall Plant Health: Good
Fruit Present: Abundant amount of fruit
Fruit Color: Red, very showy
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Probably the best looking Sorbus in the arboretum.

Observation Date of Flowers: 5/7/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/2/2005
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow/orange/red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbus aucuparia **Variety:**
Cultivar: Rossica **Family:** Rosaceae **Tsnum:** 15060
Common Name: Rossica Mountain Ash
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC09-14, HG

Observation Date of Plant: 8/25/2020

Plant Habit: Narrow upright oval

Plant Height: 10-15 ft.

Plant Width: 4-6 ft

Current Seasons Growth: 8-14 in

Foliage Color: Dark green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, wildlife

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2016 and another in 2017. One of two trees appears to be developing a 10" canker on trunk

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbus hybrida **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 02012
Common Name: Oak Leaf Mountain Ash
Source: Femrite Nursery Company **Quantity observed:** 1 **Location:** SC9-14

Observation Date of Plant: 9/14/2020
Plant Habit: Upright oval or irregular
Plant Height: 6-8 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 1-2 in.

Foliage Color: Dark green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Poor
Landscape Uses: Wildlife, specimen

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Cankers

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: 75% of tree died from cankers.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbus mougeotii **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 81279
Common Name: Mountain Ash
Source: Denver Botanic Gardens **Quantity observed:** 2 **Location:** C3

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 25-35 ft.
Plant Width: 20-25 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Wildlife, specimen

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Orange
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances: Abundant suckering
Recommended: Yes

Comments on plant: One plant looks worse due to storm damage and suckering. Both would probably look better if not crowded for space.

Observation Date of Flowers: 5/7/2003
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 51-75%
Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/3/2005
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Sorbus torminalis **Variety:**
Cultivar: 26149 **Family:** Rosaceae **Tsnum:** 02040
Common Name: Wild Service Tree
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** C4

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 2-3 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, wildlife

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease: Canker
Disease Severity: Moderate injury
Cultural Problems: Left in lathhouse too long.
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2013.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea **Variety:**
Cultivar: Conspiyet **Family:** Rosaceae **Tsnum:** 16063
Common Name: Yeti™ Spirea
Source: The Conard Pyle Co. **Quantity observed:** 1 **Location:** D1, D2

Observation Date of Plant: 9/15/2021
Plant Habit: Round
Plant Height: 2-3 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea **Variety:**
Cultivar: CP 11 DS 437 **Family:** Rosaceae **Tsnum:** 13084
Common Name: Spirea
Source: The Conard Pyle Co. **Quantity observed:** 2 **Location:** E2

Observation Date of Plant: 9/16/2021

Plant Habit: Round

Plant Height: 3 ft.

Plant Width: 4 ft.

Current Seasons Growth: 8-15 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2016.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea arguta **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 91088
Common Name: Garland Spirea
Source: Sherman Nursery **Quantity observed:** 3 **Location:** E2

Observation Date of Plant: 9/16/2021
Plant Habit: Broad oval to round
Plant Height: 3-6 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three plants rejuvenated in 2019 and are coming back nicely.

Observation Date of Flowers: 4/19/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 90-100%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea betulifolia **Variety:**
Cultivar: Tor **Family:** Rosaceae **Tsnum:** 04050
Common Name: Birch-leaf Spiraea
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Round becoming broad oval
Plant Height: 3-4 ft.
Plant Width: 4-7 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in arboretum in 2005.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea canescens **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 90018
Common Name: Hoary Spirea
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **Location:** D2

Observation Date of Plant: 9/15/2021

Plant Habit: Round to broad oval

Plant Height: 5-7 ft.

Plant Width: 9-14 ft

Current Seasons Growth: 18-30 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2019. Great vigor on regrowth.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 10/23/2019

Aesthetics: Excellent

Persistence: 1-2 weeks

Fall Color: bright yellow, orange to burnt red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea fritschiana **Variety:**
Cultivar: **Family:** Rosaceae **Tsnum:** 99032
Common Name: Korean Spirea
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval

Plant Height: 3-4 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium or light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow, some red

Date of observation: 10/21/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea japonica **Variety:** -0-
Cultivar: -0- **Family:** Rosaceae **Tsnum:** 80350
Common Name: Japanese Spirea
Source: US Nat'l Arboretum **Quantity observed:** 1 **Location:** E2

Observation Date of Plant: 9/16/2021
Plant Habit: Broad oval
Plant Height: 3 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/23/2006
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Comments on Flowers: Flowers appear to have less vibrant color. Plant is weak and chlorotic.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea japonica **Variety:**
Cultivar: Little Princess **Family:** Rosaceae **Tsnum:** 85160
Common Name: Little Princess Japanese Spirea
Source: Timber Creek Nursery **Quantity observed:** 3 **Location:** E2

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval

Plant Height: 1.5 - 3 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is very uniform and compact.

Observation Date of Flowers: 6/23/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: light yellow

Date of observation: 10/28/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea japonica **Variety:**
Cultivar: Magic Carpet **Family:** Rosaceae **Tsnum:** 02085
Common Name: Magic Carpet Spiraea
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** E2

Observation Date of Plant: 9/16/2021

Plant Habit: Broad oval

Plant Height: 1 ft.

Plant Width: 3 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Lime green with red tips on new growth

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Nice compact growth habit. Red tips on new growth is stunning - especially in Spring. Vigor seems to be declining.

Observation Date of Flowers: 6/23/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: dark red

Date of observation: 11/1/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea japonica **Variety:**
Cultivar: NCSX2 **Family:** Rosaceae **Tsnum:** 19075
Common Name: Double Play Doozie® Spiraea
Source: Proven Winners/Spring Mead **Quantity observed:** 1 **Location:** E1

Observation Date of Plant: 9/16/2021

Plant Habit: Young, undefined

Plant Height: 1-2 ft.

Plant Width: 1 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Planting problems left roots exposed.

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2019. Slow to establish.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea japonica **Variety:**
Cultivar: SMNSJMFP **Family:** Rosaceae **Tsnum:** 19012
Common Name: Double Play® Pink Spirea
Source: Proven Winners **Quantity observed:** 1 **Location:** E2

Observation Date of Plant: 9/16/2021
Plant Habit: Young, undefined
Plant Height: 1-2 ft.
Plant Width: 2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea media **Variety:**
Cultivar: Darsnorm **Family:** Rosaceae **Tsnum:** 06066
Common Name: Snow Storm Spiraea
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021

Plant Habit: Round to broad oval

Plant Height: 2-3 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green with a little bronzing

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2006. Rejuvenated in 2019.

Observation Date of Flowers:

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-30%

Bloom Stage: Flowers open

Comments on Flowers: Flowering may increase with maturity. Flowering date lost due to software problem.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea nipponica **Variety:** tosaensis
Cultivar: Cheyenne Snowmound **Family:** Rosaceae **Tsnum:** 12112
Common Name: Cheyenne Snowmound Spirea
Source: Garden & Home Show Extra **Quantity observed:** 3 **Location:** D2

Observation Date of Plant: 9/15/2021

Plant Habit: Round to broad oval

Plant Height: 4-6 ft.

Plant Width: 7-9 ft.

Current Seasons Growth: 24-36 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013 and another in 2016.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea nipponica **Variety:** -0-
Cultivar: Halwards Silver **Family:** Rosaceae **Tsnum:** 88158
Common Name: Halwards Silver Nippon Spirea
Source: Jewell Nursery, Inc. **Quantity observed:** 3 **Location:** D2

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval to round

Plant Height: 2-3 ft.

Plant Width: 5-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in February of 2007 and again in 2019.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 11/1/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea nipponica **Variety:** -0-
Cultivar: Snow Mound **Family:** Rosaceae **Tsnum:** 82126
Common Name: Snowmound Nippon Spirea
Source: Mount Arbor Nursery **Quantity observed:** 3 **Location:** D2, D3

Observation Date of Plant: 9/15/2021

Plant Habit: Round

Plant Height: 5-7 ft.

Plant Width: 6 - 9 ft.

Current Seasons Growth: 24-36 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Two of three rejuvenated in 2019.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea trilobata **Variety:** -0-
Cultivar: Fairy Queen **Family:** Rosaceae **Tsnum:** 93106
Common Name: Fairy Queen White Spirea
Source: Zelenka Nursery **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Broad oval
Plant Height: 2-3 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is uniform and attractive. Rejuvenated in February of 2007 and 2019.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 85-95%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Excellent

Fall Color: Yellow, red, orange

Date of observation: 11/1/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea trilobata **Variety:** -0-
Cultivar: Swan Lake **Family:** Rosaceae **Tsnum:** 86151
Common Name: Swan Lake Dwarf Spirea
Source: Synnestvedt Nursery **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Round to broad oval
Plant Height: 4-5 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/25/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 75-85%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea x **Variety:** -0-
Cultivar: Snowwhite **Family:** Rosaceae **Tsnum:** 92002
Common Name: Improved Snowwhite spirea
Source: Sjulín Nurseries **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Arching, broad oval
Plant Height: 4-5 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in February of 2007 and 2019.

Observation Date of Flowers: 6/1/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 75-85%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea x **Variety:** -0-
Cultivar: Wilsonii **Family:** Rosaceae **Tsnum:** 78118
Common Name: Wilson Spirea
Source: USDA/NC-7 **Quantity observed:** 2 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Broad oval to round
Plant Height: 5-6 ft.
Plant Width: 7-10 ft
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good
Fruit Present: Unimportant

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2007 and 2019.

Observation Date of Flowers: 6/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea x bumalda **Variety:** -0-
Cultivar: Gumball **Family:** Rosaceae **Tsnum:** 85151
Common Name: Gumball Bumald Spirea
Source: Synnestvedt Nursery **Quantity observed:** 3 **Location:** E1

Observation Date of Plant: 9/16/2021

Plant Habit: Round to broad oval

Plant Height: 2-3 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Light green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Fair to good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in February 2007.

Observation Date of Flowers: 6/25/2003

Flower Color: Light Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Date of observation: 11/1/2005

Aesthetics: Good

Persistence: 1-2 weeks

Fall Color: Yellow, some red/orange

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea x bumalda **Variety:** -0-
Cultivar: Hallward Silver **Family:** Rosaceae **Tsnum:** 82104
Common Name: Hallward Silver Bumald Spirea
Source: Cross Nurseries Inc. **Quantity observed:** 3 **Location:** E2

Observation Date of Plant: 9/16/2021

Plant Habit: Broad oval

Plant Height: 4-5 ft.

Plant Width: 7-10 ft.

Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is uniform and controlled - very attractive. Dense canopy. Two of three plants rejuvenated in 2019.

Observation Date of Flowers: 6/25/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 76-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/28/2005

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea x cinerea **Variety:**
Cultivar: Grefsheim **Family:** Rosaceae **Tsnum:** 19003
Common Name: Grefsheim Spirea
Source: Garden and Home show **Quantity observed:** 1 **Location:** E2

Observation Date of Plant: 9/16/2021

Plant Habit: Round

Plant Height: 3-4.5 ft.

Plant Width: 3-5 ft.

Current Seasons Growth: 12-24 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea x cinerea **Variety:**
Cultivar: Grefsheim **Family:** Rosaceae **Tsnum:** 98046
Common Name: Grefsheim Spirea
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** D2

Observation Date of Plant: 9/15/2021
Plant Habit: Round becoming broad oval
Plant Height: 4-5 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 1-2 ft.

Foliage Color: Medium blue/green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Rejuvenated in February of 2007 and 2019.

Observation Date of Flowers: 4/20/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 90-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/1/2005
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spiraea x vanhouttei **Variety:** -0-
Cultivar: Nana **Family:** Rosaceae **Tsnum:** 78210
Common Name: Compact Vanhoutte Spirea
Source: USDA/NC-7 **Quantity observed:** 1 **Location:** D2

Observation Date of Plant: 8/10/2021

Plant Habit: Round to broad oval

Plant Height: 3-4 ft.

Plant Width: 4-6 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is very compact but becoming more irregular in habit with time.

Observation Date of Flowers: 6/1/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 80-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Spirea x media **Variety:**
Cultivar: Darsnorm **Family:** Rosaceae **Tsnum:** 05094
Common Name: Snow Storm Spirea
Source: Proven Winners **Quantity observed:** 1 **Location:** E2

Observation Date of Plant: 9/16/2021

Plant Habit: Broad oval

Plant Height: 2 ft.

Plant Width: 3 ft

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Getting crowded out by nearby plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa **Variety:**
Cultivar: CP 13 DS 730 **Family:** Oleaceae **Tsnum:** 16069
Common Name: Lilac
Source: The Conard Pyle Co. **Quantity observed:** 1 **Location:** D11

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval
Plant Height: 2 ft
Plant Width: 2 ft.
Current Seasons Growth: 6-10 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. Main stem was broken from unknown cause in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa **Variety:**
Cultivar: CP 13 DS 734 **Family:** Oleaceae **Tsnum:** 16070
Common Name: Lilac
Source: The Conard Pyle Co. **Quantity observed:** 2 **Location:** D11

Observation Date of Plant: 9/28/2020
Plant Habit: Young, undefined
Plant Height: 2 ft.
Plant Width: 2 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa **Variety:**
Cultivar: Prince Charming **Family:** Oleaceae **Tsnum:** 03032
Common Name: Prince Charming Lilac
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** D11

Observation Date of Plant: 9/28/2020
Plant Habit: Broad oval
Plant Height: 5-7 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in arboretum in 2003. Was getting crowded by nearby plants but has more room now since 2010. May have volunteer Syringa growing amongst it and skewing size measurements.

Observation Date of Flowers: 5/18/2006

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-70%

Bloom Stage: Flowers open

Comments on Flowers: Flowers are very tiny and delicate but still very showy.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa oblata **Variety:**
Cultivar: Cheyenne **Family:** Oleaceae **Tsnum:** 94060
Common Name: Cheyenne Lilac
Source: Jewell Nursery, Inc. **Quantity observed:** 1 **Location:** D12

Observation Date of Plant: 9/28/2020
Plant Habit: Broad oval
Plant Height: 8-10 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 5/2/2006
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-80%
Bloom Stage: Flowers open
Comments on Flowers: Thinner, more delicate in appearance.

Fall Color or Fruit: Fall color **Date of observation:** 10/8/2020
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Mostly dark red and yellow but also som

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa pekensis **Variety:**
Cultivar: WFH2 **Family:** Oleaceae **Tsnum:** 18013
Common Name: Great Wall Tree Lilac
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C8

Observation Date of Plant: 9/14/2021

Plant Habit: Upright oval

Plant Height: 7-9 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 12-18 in.

Foliage Color: Medium green

Bark Characteristics: Important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, areas that have height limits

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa pekinensis **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 81111
Common Name: Peking Lilac
Source: Valley Nursery **Quantity observed:** 3 **Location:** C10

Observation Date of Plant: 9/8/2020
Plant Habit: Upright oval becoming round
Plant Height: 25-35 ft.
Plant Width: 30-40 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: This is a good looking small tree with very attractive bark for winter interest.

Observation Date of Flowers: 6/2/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa pekinensis **Variety:**
Cultivar: Morton **Family:** Oleaceae **Tsnum:** 08051
Common Name: China Snow Pekin Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** C11

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 12-18 ft
Current Seasons Growth: 24-36 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small tree

Overall Plant Health: Excellent
Fruit Present: Few fruit
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2010.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa pekinensis **Variety:**
Cultivar: SunDak **Family:** Oleaceae **Tsnum:** 17021
Common Name: Copper Curls® Pekin Lilac
Source: Carlton Plants **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 7-9 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 24-36 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa pekinensis **Variety:**
Cultivar: SunDak **Family:** Oleaceae **Tsnum:** 08052
Common Name: Copper Curls Pekin Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** C9

Observation Date of Plant: 9/8/2020
Plant Habit: Upright oval becoming round
Plant Height: 8-12 ft.
Plant Width: 8-10 ft
Current Seasons Growth: 12-24 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, small tree

Overall Plant Health: Fair to good

Fruit Present: Few
Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Moderate suckering.

Recommended: Yes

Comments on plant: Planted in 2011. Bark appears to be more exfoliating than the species and more attractive. Canopy seems to be thinning. Has old canker injury on south and north trunk and appear to be closing over.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa pekinensis **Variety:**
Cultivar: WFH2 **Family:** Oleaceae **Tsnum:** 17003
Common Name: Great Wall™ Lilac
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C8

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 7-10 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. One of two trees suffered storm damage and is unable to support the canopy so the tree is flopping to one side and may have to be removed.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa reticulata **Variety:**
Cultivar: Bailnce **Family:** Oleaceae **Tsnum:** 10029
Common Name: First Editions Snowdance Lilac
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** C11

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval
Plant Height: 8-12 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011. Attractive uniform growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa reticulata **Variety:**
Cultivar: Golden Eclipse **Family:** Oleaceae **Tsnum:** 10028
Common Name: Golden Eclipse Lilac
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** C10

Observation Date of Plant: 9/8/2020
Plant Habit: Upright oval
Plant Height: 10-14 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green with varegated edges
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Few, unimportant
Fruit Color: Green turning to tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Severe suckering on one of two trees.
Recommended: Yes
Comments on plant: Planted in 2011.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa reticulata **Variety:**
Cultivar: Golden Eclipse **Family:** Oleaceae **Tsnum:** 08053
Common Name: Golden Eclipse Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** C8

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa reticulata **Variety:** -0-
Cultivar: Ivory Silk **Family:** Oleaceae **Tsnum:** 89166
Common Name: Ivory Silk Japanese Lilac
Source: Schichtel's Nursery **Quantity observed:** 3 **Location:** D9, D10

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval
Plant Height: 12-18 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Green turning to tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of three trees has an old canker wound - tree is smaller and wound is slowly closing.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/6/2008
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Pale yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa reticulata **Variety:** -0-
Cultivar: Japonica **Family:** Oleaceae **Tsnum:** 77011
Common Name: Japanese Tree Lilac
Source: Unknown **Quantity observed:** 4 **Location:** C10

Observation Date of Plant: 9/8/2020
Plant Habit: Upright oval becoming round
Plant Height: 12-18 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, small/confined areas

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 6/9/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 40-60%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/10/2004
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Light yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa reticulata **Variety:**
Cultivar: Summer Snow **Family:** Oleaceae **Tsnum:** 98077
Common Name: Summer Snow Tree Lilac
Source: Schichtel's Nursery **Quantity observed:** 3 **Location:** C9, D11

Observation Date of Plant: 9/8/2020
Plant Habit: Upright oval
Plant Height: 14-20 ft.
Plant Width: 12-17 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair
Fruit Present: Abundant amount of fruit
Fruit Color: Green turns to tan
Insect Pests:
Pest Severity:
Plant Disease: Canker on north side of one tree
Disease Severity: Moderate injury
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of three plants has less vigor and thinning canopy plus moderate suckering. Second tree moved Fall of 2016 due to unavoidable construction.

Observation Date of Flowers: 6/7/2011
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-65%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/21/2003
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Light yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa reticulata **Variety:**
Cultivar: Willamette **Family:** Oleaceae **Tsnum:** 01018
Common Name: Ivory Pillar Tree Lilac
Source: Carlton Plants **Quantity observed:** 1 **Location:** C10

Observation Date of Plant: 9/8/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Good
Fruit Present: Abundant
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Slight suckering
Recommended: Yes
Comments on plant: Planted in arboretum in 2005.

Observation Date of Flowers: 6/2/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Fair
% of Flower Coverage: 25-40%
Bloom Stage: Flowers open
Comments on Flowers: Should have more flowers as it becomes further established - planted in arboretum in 2005.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa rothomagensis **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 85179
Common Name: Chinese Lilac
Source: Country Lane Wholesale Nur **Quantity observed:** 2 **Location:** D11, D10

Observation Date of Plant: 9/28/2020

Plant Habit: Round to broad oval

Plant Height: 5-8 ft.

Plant Width: 8-10 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2014. Vigor is low and canopy thin.

Observation Date of Flowers: 4/24/2012

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-60%

Bloom Stage: Flowers open

Comments on Flowers: Many flowers despite weak plant vigor.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa velutina **Variety:** -0-
Cultivar: Dr. Meyer **Family:** Oleaceae **Tsnum:** 76030
Common Name: Dr. Meyer Lilac
Source: Unknown **Quantity observed:** 3 **Location:** C11

Observation Date of Plant: 9/21/2020

Plant Habit: Round to broad oval

Plant Height: 8-10 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair to good

Fruit Present: Few fruit, unimportant

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2003. Best fall color of any Syringa. Vigor seems to be declining on two of three plants and may need to be rejuvenated.

Observation Date of Flowers: 4/17/2012

Flower Color: Light lavender

Flower Type: Cluster

Flower Effect: Good to excellent

% of Flower Coverage: 80-95%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa vulgaris **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 80296
Common Name: Common Lilac
Source: OE White Research Arboretu **Quantity observed:** 1 **Location:** D11

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 8-12 ft.

Plant Width: 7-10 ft

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Unimportant

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/24/2012

Flower Color: Lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-65%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa vulgaris **Variety:**
Cultivar: Adelaide Dunbar **Family:** Oleaceae **Tsnum:** 00051
Common Name: Adelaide Dunbar Lilac
Source: Synnestvedt Nursery **Quantity observed:** 1 **Location:** D11

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 7-9 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Fruit Present: Unimportant

Fruit Color:

Insect Pests: Scale

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2005. May look better if not crowded by nearby plants.

Observation Date of Flowers: 4/24/2012

Flower Color: Dark purple with shades of pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 45-55%

Bloom Stage: Flowers open

Comments on Flowers: Would probably look better in a site with better irrigation.

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Purple/bonze

Date of observation: 10/28/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa vulgaris **Variety:** -0-
Cultivar: Charles **Family:** Oleaceae **Tsnum:** 88047
Common Name: Charles Common Lilac
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** C11

Observation Date of Plant: 9/21/2020
Plant Habit: Irregular or somewhat round
Plant Height: 7-10 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers: 4/18/2012
Flower Color: Dark Purple
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 75-85%
Bloom Stage: Flowers open
Comments on Flowers: Very showy this year.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa vulgaris **Variety:** -0-
Cultivar: Ludwig **Family:** Oleaceae **Tsnum:** 88048
Common Name: Ludwig Common Lilac
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** D11

Observation Date of Plant: 9/28/2020

Plant Habit: Broad oval to round

Plant Height: 8-12 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers: 4/24/2012

Flower Color: Lavender with a shade of pink

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 50-70%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa vulgaris **Variety:** -0-
Cultivar: PMK 1301 **Family:** Oleaceae **Tsnum:** 78025
Common Name: PMK 1301 Common Lilac
Source: Forrest Keeling Nursery **Quantity observed:** 1 **Location:** C11

Observation Date of Plant: 9/21/2020

Plant Habit: Broad oval to round

Plant Height: 5-7 ft.

Plant Width: 8 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: unimportant

Fruit Color:

Insect Pests: Leaf cutter bees

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2014. Getting a little crowded by neighboring plants.

Observation Date of Flowers: 5/11/2006

Flower Color: Light lavender

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa vulgaris **Variety:**
Cultivar: Sensation **Family:** Oleaceae **Tsnum:** 09009
Common Name: Sensation Lilac
Source: Monrovia Growers **Quantity observed:** 1 **Location:** D11

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border, xeriscape

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2013. Canopy is a little thin

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa wolfii **Variety:** -0-
Cultivar: -0- **Family:** Oleaceae **Tsnum:** 86072
Common Name: Lilac
Source: Washington Park Arboretum **Quantity observed:** 1 **Location:** C10, C11

Observation Date of Plant: 9/8/2020
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 4-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to poor
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to poor

Fruit Present: Unimportant

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: It is crowded by nearby plants and only looks fair.

Observation Date of Flowers: 5/26/2006
Flower Color: Light Lavender flowers, purple buds
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 70-85%
Bloom Stage: Flowers open

Comments on Flowers: Tiny flowers with delicate appearance - very showy.

Fall Color or Fruit: Fall color **Date of observation:** 9/23/2004
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: purple, dark red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa x **Variety:**
Cultivar: Agnes Smith **Family:** Oleaceae **Tsnum:** 94111
Common Name: Agnes Smith Lilac
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** C11

Observation Date of Plant: 9/21/2020
Plant Habit: Round
Plant Height: 7-9 ft.
Plant Width: 8-11 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Abundant fruit
Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a nice dense, uniform growth habit. Getting a little crowded by neighboring plants.

Observation Date of Flowers: 5/26/2006

Flower Color: White with a hint of pink as a bud.

Flower Type: Cluster

Flower Effect: Excellent

% of Flower Coverage: 75-85%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa x **Variety:**
Cultivar: Josee **Family:** Oleaceae **Tsnum:** 18019
Common Name: Josee Lilac
Source: Carlton Plants **Quantity observed:** 2 **Location:** D12

Observation Date of Plant: 9/28/2020
Plant Habit: Young, undefined
Plant Height: 1-3 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend. One plant has much better vigor than the second.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa x chinensis **Variety:**
Cultivar: Lilac Sunday **Family:** Oleaceae **Tsnum:** 08060
Common Name: Lilac Sunday Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D12

Observation Date of Plant: 9/28/2020
Plant Habit: Broad oval
Plant Height: 4-5 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 6-9 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2010. Vigor is low and canopy is thin from unknown cause.

Observation Date of Flowers: 4/19/2012
Flower Color: Lavender
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 50-60%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa x chinensis **Variety:** -0-
Cultivar: Perier **Family:** Oleaceae **Tsnum:** 87183
Common Name: Perier Chinese Lilac
Source: Mount Arbor Nursery **Quantity observed:** 1 **Location:** D10

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 8-10 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2014. Crowded by nearby plants.

Observation Date of Flowers: 5/9/2006

Flower Color: Light lavender

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 30-40%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa x persica **Variety:**
Cultivar: **Family:** Oleaceae **Tsnum:** 08127
Common Name: Persian Lilac
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** D10

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval
Plant Height: 4-6 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, xeriscape, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:

Plant Disease: Powdery mildew
Disease Severity: Slight injury

Cultural Problems:
Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. New growth is a little leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa x prestoniae **Variety:**
Cultivar: Donald Wyman **Family:** Oleaceae **Tsnum:** 08063
Common Name: Donald Wyman Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D12

Observation Date of Plant: 9/28/2020

Plant Habit: Round

Plant Height: 5-7 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Unimportant

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2010.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Syringa x prestoniae **Variety:**
Cultivar: James Macfarlane **Family:** Oleaceae **Tsnum:** 08064
Common Name: James Macfarlane Lilac
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** D11

Observation Date of Plant: 9/28/2020
Plant Habit: Round
Plant Height: 4-5 ft.
Plant Width: 3-6 ft.
Current Seasons Growth: 5-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Unimportant
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2014.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Taxodium distichum **Variety:**
Cultivar: Cascade Falls **Family:** Cupressaceae **Tsnum:** 13073
Common Name: Cascade Falls Bald Cypress
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** F10

Observation Date of Plant: 10/5/2020
Plant Habit: Weeping
Plant Height: 5-6 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Light green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Specimen

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: No

Comments on plant: Planted in 2013. Top half of tree has died back and was removed.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Taxodium distichum **Variety:**
Cultivar: JFS-SGPN **Family:** Cupressaceae **Tsnum:** 11019
Common Name: Green Whisper Bald Cypress
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** E10, F10

Observation Date of Plant: 10/5/2020

Plant Habit: Pyramidal

Plant Height: 8-12 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Light green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is improving but still not the best.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Taxodium distichum **Variety:**
Cultivar: Skyward **Family:** Cupressaceae **Tsnum:** 15066
Common Name: Lindsey's Skyward Bald Cypress
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** E10

Observation Date of Plant: 10/5/2020
Plant Habit: Young undefined, upright
Plant Height: 4-6 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 4-8 in

Foliage Color: Light green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor
Landscape Uses: Dwarf conifer for confined areas, accent plant

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2017. Surviving plant had top third die out since last evaluation.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Taxus cuspidata **Variety:** -0-
Cultivar: -0- **Family:** Taxaceae **Tsnum:** 87108
Common Name: Japanese Yew
Source: Zelenka Nursery **Quantity observed:** 2 **Location:** C4, C3

Observation Date of Plant: 9/14/2021

Plant Habit: Broad oval

Plant Height: 7-10 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good to fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good to fair

Fruit Present: Few fruit

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two plants has about 20% dieback from unknown cause but rest looks good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Taxus cuspidata **Variety:** -0-
Cultivar: Capitata **Family:** Taxaceae **Tsnum:** 88121
Common Name: Pyramidal Japanese Yew
Source: Timber Creek Nursery **Quantity observed:** 2 **Location:** D3, C3

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular

Plant Height: 10-12 ft.

Plant Width: 15-20

Current Seasons Growth: 4-8 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Red/orange

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Taxus x media **Variety:** -0-
Cultivar: Dark Green Spreader **Family:** Taxaceae **Tsnum:** 87109
Common Name: Dark Green Spreader Yew
Source: Zelenka Nursery **Quantity observed:** 2 **Location:** C3, D3

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular

Plant Height: 5-7 ft.

Plant Width: 12-18 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Needs pruning for most landscapes otherwise it looks leggy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: -0- **Family:** Cupressaceae **Tsnum:** 78122
Common Name: Eastern Arborvitae
Source: Unknown **Quantity observed:** 3 **Location:** D4

Observation Date of Plant: 9/15/2021

Plant Habit: Columnar

Plant Height: 20-30 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 6-10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, screen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Deformed by snow load spring of 2003, 2017 and 2021. Lower branches seem to be getting shaded out.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:**
Cultivar: Art Boe **Family:** Cupressaceae **Tsnum:** 19053
Common Name: North Pole Arborvitae
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** E4

Observation Date of Plant: 9/16/2021
Plant Habit: Columnar
Plant Height: 4-5 ft.
Plant Width: 1-2 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, confined areas

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:**
Cultivar: BailJohn **Family:** Cupressaceae **Tsnum:** 08047
Common Name: Technito Arborvitae
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** D3, D4

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval becoming irregular
Plant Height: 8-12 ft.
Plant Width: 8-10 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Blue green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. One was damaged by snow load in March 2021. Another is getting crowded out by nearby plants. Has a unique foliage color.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:**
Cultivar: Brandon **Family:** Cupressaceae **Tsnum:** 08031
Common Name: Brandon's Arborvitae
Source: Monrovia Growers **Quantity observed:** 2 **Location:** D4, D5

Observation Date of Plant: 9/15/2021
Plant Habit: Columnar
Plant Height: 8-12 ft.
Plant Width: 3-4 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Poor to fair
Landscape Uses: Specimen, screen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2009. Deformed some by snow load in November 2009, October 25, 2011 and March 2021. Grazed by deer in 2018 which affected appearance on lower part of tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:**
Cultivar: Congabe **Family:** Cupressaceae **Tsnum:** 07014
Common Name: Fire Chief Eastern Arborvitae
Source: The Conard Pyle Co. **Quantity observed:** 1 **Location:** DH

Observation Date of Plant: 9/14/2020
Plant Habit: Upright oval
Plant Height: 2-3 ft.
Plant Width: 2 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Shade of orange/red on medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in 2008 as a small plant (4" pot) and gaining size. Appears cold hardy with an unusual foliage color which should stand out more in the landscape as the plant gains size.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:**
Cultivar: Congabe **Family:** Cupressaceae **Tsnum:** 09063
Common Name: Fire Chief Arborvitae
Source: The Conard Pyle Co. **Quantity observed:** 1 **Location:** DH

Observation Date of Plant: 8/10/2021

Plant Habit: Upright oval or round

Plant Height: 2-3 ft.

Plant Width: 2 ft.

Current Seasons Growth: 5-8 in.

Foliage Color: Medium green with reddish tips

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Foliage is more interesting in the winter.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Emerald Green **Family:** Cupressaceae **Tsnum:** 83005
Common Name: Emerald Green Eastern Arborvitae
Source: Carlton Plants **Quantity observed:** 2 **Location:** D4

Observation Date of Plant: 9/15/2021

Plant Habit: Columnar

Plant Height: 18-24 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, screen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Seems to have tolerated snow load better than most Thuja. About 40% of foliage damaged during winter of 2019-2020.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Hetzii Midget **Family:** Cupressaceae **Tsnum:** 81209
Common Name: Hetz Midget Eastern Arborvitae
Source: Hines Nursery **Quantity observed:** 1 **Location:** D4

Observation Date of Plant: 9/15/2021

Plant Habit: Round

Plant Height: 5-7 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 3 - 5 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Has very compact, dense growth but deformed by heavy snow in May 2017.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Little Champ **Family:** Cupressaceae **Tsnum:** 91128
Common Name: Little Champ GLOBE Arborvitae
Source: Jewell Nursery, Inc. **Quantity observed:** 2 **Location:** D4

Observation Date of Plant: 9/15/2021

Plant Habit: Round

Plant Height: 8-10 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Poor

Landscape Uses: Hedge, specimen, shrub border

Overall Plant Health: Poor

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Pendulous branch tips are attractive. Severe breakage from March 2021 snowstorm may require removal.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Little Giant **Family:** Cupressaceae **Tsnum:** 87162
Common Name: Little Giant Eastern Arborvitae
Source: Oregon Garden Products **Quantity observed:** 1 **Location:** E4

Observation Date of Plant: 9/16/2021

Plant Habit: Broad oval

Plant Height: 2 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 2-5 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nearby plants are crowding it and affecting the growth habit making it more broad and less upright otherwise it would rate good for aesthetics.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Nigra **Family:** Cupressaceae **Tsnum:** 80062
Common Name: Dark Green Eastern Arborvitae
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** D4

Observation Date of Plant: 9/15/2021
Plant Habit: Pyramidal becoming upright oval
Plant Height: 20-30 ft.
Plant Width: 15 -25 ft
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Brown
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Pyramidalis **Family:** Cupressaceae **Tsnum:** 81210
Common Name: Pyramidal Eastern Arborvitae
Source: Hines Nursery **Quantity observed:** 2 **Location:** D4

Observation Date of Plant: 9/15/2021

Plant Habit: Columnar

Plant Height: 25-32 ft.

Plant Width: 6-9 ft.

Current Seasons Growth: 6 - 10 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Smaragd **Family:** Cupressaceae **Tsnum:** 81208
Common Name: Smaragd Eastern Arborvitae
Source: Hines Nursery **Quantity observed:** 1 **Location:** D4

Observation Date of Plant: 9/15/2021

Plant Habit: Columnar

Plant Height: 18-25 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Some branches deformed by snow affecting aesthetics.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja occidentalis **Variety:** -0-
Cultivar: Woodwardi **Family:** Cupressaceae **Tsnum:** 80065
Common Name: Woodward Eastern Arborvitae
Source: Greenleaf Nursery Co. **Quantity observed:** 1 **Location:** D5

Observation Date of Plant: 9/15/2021

Plant Habit: Broad oval

Plant Height: 8-12 ft.

Plant Width: 15-20 ft

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Fine

Aesthetic Plant Quality: Fair to good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Growth habit is a little more open and would look better but lost a large branch due to snow load.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja orientalis **Variety:** -0-
Cultivar: -0- **Family:** Cupressaceae **Tsnum:** 88117
Common Name: Oriental Arborvitae
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** E4

Observation Date of Plant: 9/16/2021

Plant Habit: Pyramidal

Plant Height: 14-20 ft.

Plant Width: 20-25 ft.

Current Seasons Growth: 4 - 8 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, screen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Open growth habit. Weak canopy - thin and not very dense.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja orientalis **Variety:** -0-
Cultivar: Aurea Nana **Family:** Cupressaceae **Tsnum:** 86147
Common Name: Berckman's Golden Arborvitae
Source: Greenleaf Nursery Co. **Quantity observed:** 3 **Location:** D4, E4

Observation Date of Plant: 9/15/2021
Plant Habit: Upright oval or pyramidal.
Plant Height: 14-18 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 6-9 in.

Foliage Color: Medium green, bright
Bark Characteristics: Not very important
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Attractive shades of yellow on new growth - appears very vibrant and vigorous.
One of three trees has moderate damage from snow from broken limbs but the others have bent/deformed habits. Some lower branches getting shaded out and

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja orientalis **Variety:** -0-
Cultivar: Excelsa **Family:** Cupressaceae **Tsnum:** 86148
Common Name: Upright Green Arborvitae
Source: Greenleaf Nursery Co. **Quantity observed:** 2 **Location:** D4, D3, C3

Observation Date of Plant: 9/14/2021
Plant Habit: Pyramidal becoming upright oval
Plant Height: 10-15 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Vigor would be better if it was in more sun.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Thuja plicata **Variety:** -0-
Cultivar: -0- **Family:** Cupressaceae **Tsnum:** 78123
Common Name: Western Red Cedar
Source: Unknown **Quantity observed:** 1 **Location:** D4

Observation Date of Plant: 9/15/2021
Plant Habit: Columnar
Plant Height: 20-30 ft.
Plant Width: 7-9 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border, screen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Badly deformed by snow load during the Spring of 2003 and suffered some more in November 2009. Looks fairly good since 2015 except for a few lumps in growth habit.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia americana **Variety:**
Cultivar: Boulevard **Family:** Tiliaceae **Tsnum:** 94053
Common Name: Boulevard Linden
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** SC6-7,8

Observation Date of Plant: 9/13/2021
Plant Habit: Narrow pyramidal or upright oval
Plant Height: 15-22 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. One of two has a more dominant central leader and is more narrow in habit. Both have fairly low vigor but look good.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/4/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia americana **Variety:**
Cultivar: McSentry **Family:** Tiliaceae **Tsnum:** 07055
Common Name: American Sentry Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A5

Observation Date of Plant: 9/7/2021

Plant Habit: Pyramidal

Plant Height: 10-15 ft.

Plant Width: 8-12 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2011.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia americana **Variety:**
Cultivar: Redmond **Family:** Tiliaceae **Tsnum:** 03118
Common Name: Redmond Linden
Source: Colorado Garden & Home Sh **Quantity observed:** 2 **Location:** SC06-4,5

Observation Date of Plant: 9/13/2021
Plant Habit: Pyramidal
Plant Height: 15-25 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2003.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia americana **Variety:**
Cultivar: Sentry **Family:** Tiliaceae **Tsnum:** 05010
Common Name: Sentry Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC07-14

Observation Date of Plant: 8/26/2020
Plant Habit: Pyramidal
Plant Height: 10-13 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium to light green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests: Galls
Pest Severity: Slight injury

Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: One was planted in 2009 and vigor is still low even though overall canopy still looks pretty good. Probably related to sunscald injury on west side of trunk. Another tree was planted in 2011 and has difficulty in getting established -

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia americana **Variety:** -0-
Cultivar: Skinner's Fastigate **Family:** Tiliaceae **Tsnum:** 81109
Common Name: Skinner's Fastigate American Linden
Source: Valley Nursery **Quantity observed:** 2 **Location:** A5, A6

Observation Date of Plant: 9/7/2021
Plant Habit: Pyramidal to upright oval
Plant Height: 35-45 ft.
Plant Width: 20-30 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Misshapen due to storm damage.

Recommended: Yes
Comments on plant: At edge of arboretum and looks fair with some branch dieback probably due to inadequate irrigation.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: #18 **Family:** Tiliaceae **Tsnum:** 85144
Common Name: #18 Littleleaf Linden
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/7/2021
Plant Habit: Pyramidal to upright oval
Plant Height: 50-60 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances: Slight suckering
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: -0- **Family:** Tiliaceae **Tsnum:** 81150
Common Name: Littleleaf Linden
Source: American Nursery Product/Mi **Quantity observed:** 1 **Location:** A6

Observation Date of Plant: 9/7/2021
Plant Habit: Pyramidal becoming upright oval
Plant Height: 50-60 ft.
Plant Width: 40-50 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has multiple codominant stems. Would probably be wider if not crowded by neighboring trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:**
Cultivar: Bailey **Family:** Malvaceae **Tsnum:** 18014
Common Name: Shamrock Littleleaf Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** B6

Observation Date of Plant: 9/10/2021
Plant Habit: Pyramidal
Plant Height: 8-10 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Japanese beetle
Pest Severity: Slight injury

Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: Chancellor **Family:** Tiliaceae **Tsnum:** 81131
Common Name: Chancellor Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/6/2021

Plant Habit: Upright oval

Plant Height: 35-45 ft.

Plant Width: 35-45 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, shade tree, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Very attractive, uniform growth habit and dense canopy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: yellow

Date of observation: 10/21/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:**
Cultivar: Corzam **Family:** Tiliaceae **Tsnum:** 94034
Common Name: Corinthian Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC6-9,10

Observation Date of Plant: 9/13/2021
Plant Habit: Pyramidal
Plant Height: 12-17 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Vigor is a low. They probably need better irrigation system than drip.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/11/2017

Persistence: 2-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: De Groot **Family:** Tiliaceae **Tsnum:** 88103
Common Name: De Groot Littleleaf Linden
Source: Carlton Plants **Quantity observed:** 2 **Location:** A6

Observation Date of Plant: 9/7/2021
Plant Habit: Upright oval to pyramidal
Plant Height: 40-50 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has multiple codominant stems. Would probably be wider if not crowded by neighboring trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: bright yellow, green

Date of observation: 10/21/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: Fairview **Family:** Tiliaceae **Tsnum:** 84143
Common Name: Fairview Littleleaf Linden
Source: A. McGill & Son Nursery **Quantity observed:** 2 **Location:** A4, A5

Observation Date of Plant: 9/6/2021
Plant Habit: Pyramidal
Plant Height: 45-55 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Severe suckering one of two trees

Recommended: Yes

Comments on plant: Trunks on both trees are unusually curved - not straight like most Tilia. Not sure of the cause.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:**
Cultivar: Glenleven **Family:** Tiliaceae **Tsnum:** 94035
Common Name: Glenleven Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC6-11,12

Observation Date of Plant: 9/13/2021

Plant Habit: Pyramidal, narrow

Plant Height: 25-35 ft.

Plant Width: 12-18 ft

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Growth habit would work well in relatively narrow spaces.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Dark yellow

Date of observation: 10/4/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:**
Cultivar: Globe **Family:** Tiliaceae **Tsnum:** 96136
Common Name: Globe Linden
Source: Schichtel's Nursery **Quantity observed:** 2 **Location:** SC6-14, CFA

Observation Date of Plant: 9/13/2021
Plant Habit: Round or pyramidal as it ages
Plant Height: 12-16 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 3-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, small/confined areas

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests: Galls on foliage

Pest Severity: Minor injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One moved in 2003 and the second in 2017 due to unavoidable construction. Both sucker a lot and have adventitious budding along rootstock trunk. Has smaller growth increments and smaller foliage size creating a very compact

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Poor

Fall Color: Green

Date of observation: 10/11/2017

Persistence: n/a

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:**
Cultivar: Halka **Family:** Malvaceae **Tsnum:** 17009
Common Name: Summer Sprite® Littleleaf Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** B6

Observation Date of Plant: 9/10/2021
Plant Habit: Young undefined
Plant Height: 5-6 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, street tree, confined areas since it is semi-dwarf.

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests: Japanese beetle
Pest Severity: Minor injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2019. May have better vigor in full sun.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:**
Cultivar: Halka **Family:** Tiliaceae **Tsnum:** 00162
Common Name: Summer Sprite Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC05-16

Observation Date of Plant: 9/13/2021

Plant Habit: Round

Plant Height: 8-12 ft

Plant Width: 10-14 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Confined areas

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: June Bride **Family:** Tiliaceae **Tsnum:** 83140
Common Name: June Bride Littleleaf Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** B5, A5

Observation Date of Plant: 9/7/2021
Plant Habit: Pyramidal
Plant Height: 50-60 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Nice growth habit. Very uniform and strong central leader. May be wider if not crowded for space.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:**
Cultivar: Olympic **Family:** Tiliaceae **Tsnum:** 94036
Common Name: Olympic Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC6-15,16

Observation Date of Plant: 9/13/2021

Plant Habit: Pyramidal

Plant Height: 15 - 20 ft.

Plant Width: 15-25 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Fruit Present: Abundant

Fruit Color: Green turning to tan

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Minor suckering on one of two trees.

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Would probably look better in a landscape with normal irrigation instead of drip.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 10/11/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: Prestige **Family:** Tiliaceae **Tsnum:** 87182
Common Name: Prestige Littleleaf Linden
Source: Discover-Tree Research **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/6/2021
Plant Habit: Pyramidal
Plant Height: 45-55 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Might be wider if not crowded by neighboring plants.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: Prestige **Family:** Tiliaceae **Tsnum:** 93043
Common Name: Prestige Linden
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/6/2021

Plant Habit: Pyramidal

Plant Height: 35-45 ft.

Plant Width: 30-40 ft

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow

Date of observation: 10/21/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: Ronald **Family:** Tiliaceae **Tsnum:** 92111
Common Name: Norlin Linden Crabapple
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** SC7-15

Observation Date of Plant: 8/26/2020
Plant Habit: Pyramidal becoming upright oval
Plant Height: 15 - 20 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to good

Fruit Present: None

Fruit Color:

Insect Pests: Galls on leaves

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: yellow, burnt orange

Date of observation: 9/23/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:** -0-
Cultivar: Salem **Family:** Tiliaceae **Tsnum:** 88086
Common Name: Salem Littleleaf Linden
Source: Handy Nursery Co. **Quantity observed:** 3 **Location:** A4, A3

Observation Date of Plant: 9/6/2021
Plant Habit: Upright oval
Plant Height: 35-45 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of three trees is much smaller from unknown cause but still looks healthy.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: bright yellow

Date of observation: 10/16/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia cordata **Variety:**
Cultivar: Unizam **Family:** Tiliaceae **Tsnum:** 08018
Common Name: Unique Linden
Source: Femrite Nursery Company **Quantity observed:** 2 **Location:** B5, SC06-13

Observation Date of Plant: 9/10/2021
Plant Habit: Upright pyramidal, narrow
Plant Height: 15-20 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Excellent
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. No suckers. Looks very uniform. Tree planted in part shade has much less vigor.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/25/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia herterophylla **Variety:**
Cultivar: Contintental Appeal **Family:** Tiliaceae **Tsnum:** 00040
Common Name: Continental Appeal Linden
Source: A. McGill & Son Nursery **Quantity observed:** 1 **Location:** SC5-15

Observation Date of Plant: 9/13/2021
Plant Habit: Upright oval
Plant Height: 18-24 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium green
Bark Characteristics: Intermediate importance
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Severe suckering

Recommended: Yes

Comments on plant: Planted in 2003. Foliage is relatively large.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Poor

Fall Color: Green, brown

Date of observation: 10/12/2017

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia heterophylla **Variety:**
Cultivar: Continental Appeal **Family:** Tiliaceae **Tsnum:** 07056
Common Name: Continental Appeal Beetree Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A6

Observation Date of Plant: 9/7/2021

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair to poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2011. Vigor low. May be in too much shade from nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia mongolica **Variety:**
Cultivar: Harvest Gold **Family:** Tiliaceae **Tsnum:** 99014
Common Name: Harvest Gold Linden
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** SC06-6, SC07-16

Observation Date of Plant: 9/13/2021
Plant Habit: Pyramidal to upright oval
Plant Height: 12-18 ft.
Plant Width: 9-14 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: Few, unimportant
Fruit Color: Green turning to tan
Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: Slight suckering

Nuisances:

Recommended: Yes

Comments on plant: Moved Spring of 2003 due to unavoidable construction. Very attractive with dark leaves and a uniform, compact growth habit. Vigor is low from unknown cause and canopy is thin on one of two trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Fair to good
Fall Color: Yellow

Date of observation: 9/29/2009
Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia tomentosa **Variety:** -0-
Cultivar: Sterling Silver **Family:** Tiliaceae **Tsnum:** 87107
Common Name: Sterling Silver Silver Linden
Source: Pacific Coast Nursery **Quantity observed:** 2 **Location:** A3, A2

Observation Date of Plant: 9/6/2021
Plant Habit: Pyramidal becoming upright oval
Plant Height: 30-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: Few, not showy
Fruit Color: Tan
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia x euchlora **Variety:** -0-
Cultivar: Redmond **Family:** Tiliaceae **Tsnum:** 81132
Common Name: Redmond Crimean Linden
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A5

Observation Date of Plant: 9/6/2021
Plant Habit: Pyramidal becoming upright oval
Plant Height: 55-65 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant:

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Tilia x europaea **Variety:** -0-
Cultivar: -0- **Family:** Tiliaceae **Tsnum:** 88085
Common Name: European Linden
Source: Handy Nursery Co. **Quantity observed:** 2 **Location:** A5

Observation Date of Plant: 9/6/2021
Plant Habit: Pyramidal to upright oval
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 8-14 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Slight suckering on one tree.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus **Variety:**
Cultivar: Accolade **Family:** Ulmaceae **Tsnum:** 98044
Common Name: Accolade Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** G7

Observation Date of Plant: 10/7/2020
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 35-40 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green, glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests: Leaf miner

Pest Severity: Minor injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has significantly less scale and sooty mold than other Ulmus.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: bright yellow

Date of observation: 9/30/2012

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus **Variety:**
Cultivar: Morton Red Tip **Family:** Ulmaceae **Tsnum:** 98045
Common Name: Danada Charm Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** G6

Observation Date of Plant: 10/7/2020
Plant Habit: Upright oval
Plant Height: 40-50 ft.
Plant Width: 35-40 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Scale, chewing insects and leafminer
Pest Severity: Minor injury

Plant Disease:
Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Branches have a fair amount of sooty mold from scale. Not one of the better varieties but looks okay.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Yellow

Date of observation: 9/30/2012

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus americana **Variety:**
Cultivar: Jefferson **Family:** Ulmaceae **Tsnum:** 20014
Common Name: Jefferson Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** HG

Observation Date of Plant: 9/21/2020

Plant Habit: Vase

Plant Height: 7-9 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Shade tree, residential street

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2020. Too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus americana **Variety:**
Cultivar: JFS-Prince II **Family:** Ulmaceae **Tsnum:** 16018
Common Name: Colonial Spirit American Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** G3?, G8

Observation Date of Plant: 8/21/2020
Plant Habit: Upright oval or vase
Plant Height: 18-22 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 2-4 ft.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Shade tree, specimen

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2018 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus americana **Variety:**
Cultivar: Lewis and Clark **Family:** Ulmacea **Tsnum:** 14024
Common Name: Prairie Expedition Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC11-02

Observation Date of Plant: 8/20/2020
Plant Habit: Upright oval
Plant Height: 8-10 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 12-24 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests: Scale
Pest Severity: Moderate injury
Plant Disease: Sooty mold
Disease Severity: Moderate injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2016. Looks a little leggy. Has about 15% canopy dieback probably due to scale.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus americana **Variety:**
Cultivar: Lewis and Clark **Family:** Ulmaceae **Tsnum:** 15067
Common Name: Prairie Expedition Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** G8

Observation Date of Plant: 8/21/2020
Plant Habit: Upright oval
Plant Height: 10-15 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Shade tree

Overall Plant Health: Fair to poor
Fruit Present: None
Fruit Color:
Insect Pests: Scale
Pest Severity: Moderate to severe injury
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus americana **Variety:**
Cultivar: New Harmony **Family:** Ulmaceae **Tsnum:** 12040
Common Name: New Harmony Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC12-02, G8

Observation Date of Plant: 8/18/2020
Plant Habit: Upright oval
Plant Height: 8-14 ft.
Plant Width: 6-10 ft
Current Seasons Growth: 8-15 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shade tree

Overall Plant Health: Fair to good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2013. A second tree planted in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus davidiana **Variety:**
Cultivar: **Family:** Ulmaceae **Tsnum:** 96148
Common Name: David Elm
Source: Morton Arboretum from Harbi **Quantity observed:** 2 **Location:** G8

Observation Date of Plant: 10/7/2020
Plant Habit: Round
Plant Height: 30-40 ft.
Plant Width: 35-45 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, medium/large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Has significantly less insect damage than some others in collection. Very clean overall.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/30/2012
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus davidiana **Variety:**
Cultivar: JFS KW2UD **Family:** Ulmaceae **Tsnum:** 17026
Common Name: Greenstone Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** G5, SC11-06

Observation Date of Plant: 9/17/2021

Plant Habit: Round

Plant Height: 10-15 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 2-3 ft.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Street tree, shade tree

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances: Slight suckering on one tree

Recommended: Yes

Comments on plant: Planted in 2018. Vigor is impressive on one tree but only fair on second tree.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus parvifolia **Variety:**
Cultivar: Dynasty **Family:** Ulmaceae **Tsnum:** 02041
Common Name: Dynasty Elm
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** SC12-7, 11

Observation Date of Plant: 8/18/2020
Plant Habit: Vase or upright oval
Plant Height: 12-18 ft.
Plant Width: 10-12 ft.
Current Seasons Growth: 10-15 in

Foliage Color: Medium green
Bark Characteristics: Important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair to good
Fruit Present: None
Fruit Color:
Insect Pests: Scale
Pest Severity: Moderate injury - only on one tree
Plant Disease: Sooty mold
Disease Severity: Severe, aesthetics affected on only one of two trees
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of two looks much better than the second tree. Planted in arboretum in 2004. Bark is uniquely attractive on both compared to most elms.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus propinqua **Variety:**
Cultivar: JFS-Bieberich **Family:** Ulmaceae **Tsnum:** 08008
Common Name: Emerald Sunshine Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** G9

Observation Date of Plant: 10/7/2020
Plant Habit: Upright oval
Plant Height: 15-20 ft.
Plant Width: 12-18 ft.
Current Seasons Growth: 18-24 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2011. Canopy appears thin. Bulge at crown may indicate problem with circling root.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus x **Variety:**
Cultivar: Morton Glossy **Family:** Ulmaceae **Tsnum:** 00166
Common Name: Triumph Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** SC12-9

Observation Date of Plant: 8/18/2020
Plant Habit: Upright oval becoming round
Plant Height: 20-25 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 10-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Scale
Pest Severity: Slight injury

Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Suffered some storm damage October 2011 which decreased overall aesthetics but looks good since 2016.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus x **Variety:**
Cultivar: Morton Plainsman **Family:** Ulmaceae **Tsnum:** 00167
Common Name: Vanguard Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC12-3, G9

Observation Date of Plant: 8/18/2020
Plant Habit: Upright oval to round
Plant Height: 20-30 ft.
Plant Width: 25-35 ft.
Current Seasons Growth: 12-36 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Scale
Pest Severity: Slight injury

Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: One of two has a growth habit isn't the best - lacks a central leader on largest tree and is leaning to one side due to crowding from nearby trees. Second tree is only about 10-15' tall but looks good.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/9/2009
Aesthetics: Fair to poor **Persistence:** 1-2 weeks
Fall Color: Pale yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus x **Variety:**
Cultivar: Morton Stalwart **Family:** Ulmaceae **Tsnum:** 00164
Common Name: Commendation Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** G7, SC12-10

Observation Date of Plant: 8/18/2020
Plant Habit: Upright oval to irregular
Plant Height: 30-40 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 15-36 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Good
Fruit Present: None
Fruit Color:
Insect Pests: Leaf miner
Pest Severity: Slight injury
Plant Disease: Wet wood on one of two trees
Disease Severity: Minor injury
Cultural Problems: Possible restrictive root on one side of the larger tree.
Nuisances:
Recommended: Yes
Comments on plant: Second tree at second site has much less vigor but still looks good.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/30/2012
Aesthetics: Fair **Persistence:** 1-2 weeks
Fall Color: Light yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus x **Variety:**
Cultivar: Patriot **Family:** Ulmaceae **Tsnum:** 00165
Common Name: Patriot Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** SC12-5,6

Observation Date of Plant: 8/18/2020
Plant Habit: Upright oval to irregular
Plant Height: 10-17 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests: Scale, chewing insects
Pest Severity: Moderate to severe injury
Plant Disease: Sooty mold
Disease Severity: Moderate injury
Cultural Problems:
Nuisances:
Recommended: Marginal

Comments on plant: Planted in arboretum in 2004. Would look much better if not for scale and sooty mold. Has 30% dieback possibly due to scale but both also have large cankers as well.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ulmus x **Variety:** -0-
Cultivar: Pioneer **Family:** Ulmaceae **Tsnum:** 84243
Common Name: Pioneer Elm
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** F9

Observation Date of Plant: 10/5/2020
Plant Habit: Vase
Plant Height: 40-50 ft.
Plant Width: 30-40 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Residential street, large shade tree

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests: Scale
Pest Severity: Moderate injury
Plant Disease: Sooty mold
Disease Severity: Minor injury
Cultural Problems:
Nuisances:
Recommended: Marginal
Comments on plant: Needs some pruning due to dieback from scale.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum **Variety:**
Cultivar: CP 15 DS 956 **Family:** Adoxaceae **Tsnum:** 16073
Common Name: Viburnum
Source: The Conard Pyle Co. **Quantity observed:** 1 **Location:** C3

Observation Date of Plant: 9/14/2021

Plant Habit: Round

Plant Height: 4-5 ft.

Plant Width: 4-5 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum **Variety:** -0-
Cultivar: Emerald Triumph **Family:** Caprifoliaceae **Tsnum:** 92102
Common Name: Emerald Triumph Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** A6

Observation Date of Plant: 9/7/2021

Plant Habit: Broad oval to round

Plant Height: 8-11 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Looks great in difficult area with a lot of dry shade.

Observation Date of Flowers: 4/26/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 70-90%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: red, orangish red

Date of observation: 10/21/2003

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum **Variety:** -0-
Cultivar: Emerald Triumph **Family:** Caprifoliaceae **Tsnum:** 92114
Common Name: Emerald Triumph Viburnum
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** B2, C2

Observation Date of Plant: 9/9/2021
Plant Habit: Round to broad oval
Plant Height: 7-9 ft.
Plant Width: 10-14 ft.
Current Seasons Growth: 6-10 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair to good
Fruit Present: Few fruit
Fruit Color: Red turning to black
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One may have disease with brown leaves and wilting.

Observation Date of Flowers: 4/26/2006
Flower Color: White
Flower Type: Cluster
Flower Effect: Good
% of Flower Coverage: 70-90%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2008
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Red and golden yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum **Variety:**
Cultivar: Emerald Triumph **Family:** Caprifoliaceae **Tsnum:** 13030
Common Name: Emerald Triumph Viburnum
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 4-6 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, confined areas requiring a small tree

Overall Plant Health: Good

Fruit Present:

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2014. Suckering a lot and trying to revert to shrub form.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum bodnantense **Variety:** -0-
Cultivar: Pink Dawn **Family:** Caprifoliaceae **Tsnum:** 88204
Common Name: Pink Dawn Hybrid Viburnum
Source: Hines Nursery **Quantity observed:** 1 **Location:** B1

Observation Date of Plant: 9/9/2021
Plant Habit: Round becoming broad oval
Plant Height: 9-14 ft.
Plant Width: 15-20 ft
Current Seasons Growth: 6-10 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Slightly chlorotic.

Observation Date of Flowers: 3/18/2012
Flower Color: Pink
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 85-100%
Bloom Stage: Flowers open
Comments on Flowers: One of few years flowers were not frozen and it looks very good plus has a nice fragrance. Great pink color.

Fall Color or Fruit: Fall color **Date of observation:** 10/28/2008
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: Bronze/red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum carlcephalum **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 95116
Common Name: Fragrant Snowball Viburnum
Source: Oregon Garden Products **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/6/2021

Plant Habit: Irregular

Plant Height: 5-6 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 3-4 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: About half of canopy died back in winter of 2004/05 and 25% in 2005/06 but surviving part has good vigor. In 2006/2007 10-20% of canopy - one stem was wilting/dying from apparent canker. No dieback in 2013, 2015, 2017, 2019 or

Observation Date of Flowers: 5/2/2006

Flower Color: White, pink buds

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 20-40%

Bloom Stage: Flowers open

Comments on Flowers: Would probably have more flowers if plant was in a site that was more moist.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum dentatum **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 83263
Common Name: Downy Viburnum
Source: Synnestvedt Nursery **Quantity observed:** 1 **Location:** B3

Observation Date of Plant: 9/9/2021
Plant Habit: Round becoming broad oval
Plant Height: 7-9 ft.
Plant Width: 10-15 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair to good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Canopy looks a little thin and is a little floppy - may be in too much shade.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum dentatum **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 88118
Common Name: Arrowwood Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/6/2021

Plant Habit: Round

Plant Height: 4 - 6 ft

Plant Width: 5-7 ft.

Current Seasons Growth: 4-8 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably have better vigor if not on edge of arboretum where irrigation is less uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum dentatum **Variety:**
Cultivar: Moonglo **Family:** Caprifoliaceae **Tsnum:** 02019
Common Name: Moonglo Arrowwood Viburnum
Source: Sjulín Nurseries **Quantity observed:** 2 **Location:** B3

Observation Date of Plant: 9/9/2021

Plant Habit: Upright oval to round

Plant Height: 6-8 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Dark purple

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: 5/22/06 - Removed 75-80% of canopy due to winter dieback when temperatures were -16F. Looked fine Spring of 2007 despite similar temperatures and no additional damage in 2008 - 2019. May grow larger if in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum dentatum **Variety:**
Cultivar: Morton **Family:** Caprifoliaceae **Tsnum:** 98048
Common Name: Northern Burgundy Viburnum
Source: J. Frank Schmidt and Son Co **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/6/2021

Plant Habit: Irregular

Plant Height: 2-3.5 ft.

Plant Width: 3-4 ft.

Current Seasons Growth: 2-4 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: Few fruit

Fruit Color: Black

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Would probably have better vigor if not at edge of arboretum which has less uniform irrigation. Seems to be in decline.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum dentatum **Variety:**
Cultivar: Ralph Senior **Family:** Caprifoliaceae **Tsnum:** 07079
Common Name: Autumn Jazz Arrowwood Viburnum
Source: Carlton Plants **Quantity observed:** 2 **Location:** B3

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few
Fruit Color: Black

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2008. Would probably be bigger if in full sun.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Yellow

Date of observation: 10/10/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum dilatatum **Variety:**
Cultivar: Oneida **Family:** Caprifoliaceae **Tsnum:** 96086
Common Name: Oneida Viburnum
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** A3, A4

Observation Date of Plant: 9/6/2021
Plant Habit: Upright oval to round
Plant Height: 5-8 ft.
Plant Width: 6-9 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Dark to medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Would probably look better if not at edge of arboretum.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum lantana **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 78130
Common Name: Wayfaringtree Viburnum
Source: Unknown **Quantity observed:** 1 **Location:** B2

Observation Date of Plant: 9/9/2021
Plant Habit: Broad oval
Plant Height: 8 - 12 ft.
Plant Width: 15 - 20 ft.
Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Moderate fruiting
Fruit Color: Red turning to black
Insect Pests:

Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:

Recommended: Yes
Comments on plant: Has a nice dense growth habit.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 9/23/2004
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: green/purple

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum lantana **Variety:** -0-
Cultivar: Mohican **Family:** Caprifoliaceae **Tsnum:** 83259
Common Name: Mohican Wayfaringtree Viburnum
Source: Synnestvedt Nursery **Quantity observed:** 1 **Location:** C1

Observation Date of Plant: 9/14/2021

Plant Habit: Broad oval

Plant Height: 8-10 ft.

Plant Width: 12-16 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Purple

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2008. May have disease as some foliage is brown and canopy is thin.

Observation Date of Flowers: 5/10/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum lantana **Variety:** -0-
Cultivar: Mohican **Family:** Caprifoliaceae **Tsnum:** 80148
Common Name: Mohican Wayfaringtree Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 1 **Location:** C2

Observation Date of Plant: 9/14/2021

Plant Habit: Round or broad oval

Plant Height: 8 - 12 ft.

Plant Width: 12 -16 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: Few fruit

Fruit Color: Purple

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum lantana **Variety:** -0-
Cultivar: Rugosum **Family:** Caprifoliaceae **Tsnum:** 83260
Common Name: Rugosa Wayfaringtree Viburnum
Source: Synnestvedt Nursery **Quantity observed:** 2 **Location:** B1

Observation Date of Plant: 9/9/2021
Plant Habit: Round becoming broad oval
Plant Height: 9-11 ft.
Plant Width: 10-15 ft
Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Abundant fruit
Fruit Color: Purple/black
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: One of two was rejuvenated in 2009.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 11/11/2009
Aesthetics: Good **Persistence:** 2-3 weeks
Fall Color: Dark purple/red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum lentago **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 77013
Common Name: Nannyberry Viburnum
Source: Unknown **Quantity observed:** 1 **Location:** B2

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval
Plant Height: 2 ft.
Plant Width: 2 ft.
Current Seasons Growth: 4-6 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Dark purple
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Rejuvenated late in 2019. May still have unidentified disease causing decline of remaining shrub as some foliage is still shriveling and dying.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/4/2017
Aesthetics: Excellent **Persistence:** 1-2 weeks
Fall Color: pale golden yellow, true red

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum lentago **Variety:**
Cultivar: Tree form **Family:** Adoxaceae **Tsnum:** 18024
Common Name: Nannyberry-tree
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** B2

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval
Plant Height: 6-9 ft.
Plant Width: 3-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen

Overall Plant Health: Good
Fruit Present: None

Fruit Color:
Insect Pests:

Pest Severity:
Plant Disease:

Disease Severity:
Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color
Aesthetics: Good
Fall Color: Red, yellow

Date of observation: 10/12/2021
Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum mongolicum **Variety:**
Cultivar: Ames 2814 **Family:** Caprifoliaceae **Tsnum:** 11009
Common Name: Mongolian Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** B3, C3

Observation Date of Plant: 9/9/2021
Plant Habit: Upright oval
Plant Height: 5-7 ft.
Plant Width: 5-7 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in 2013. One of three moved in 2017 due to unavoidable construction. One plant looks like it is wilting and dying from unknown disease.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum opulus **Variety:** -0-
Cultivar: Xanthocarpa **Family:** Caprifoliaceae **Tsnum:** 81294
Common Name: European Cranberrybush Viburnum
Source: Denver Botanic Gardens **Quantity observed:** 1 **Location:** B3

Observation Date of Plant: 9/9/2021

Plant Habit: Round to broad oval

Plant Height: 1 ft.

Plant Width: 5 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Few

Fruit Color: Orange

Insect Pests: Aphids

Pest Severity: Slight injury

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum plicatum **Variety:**
Cultivar: PIIVIB-II **Family:** Adoxaceae **Tsnum:** 21024
Common Name: First Editions®Opening Day™
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** B3

Observation Date of Plant: 9/9/2021
Plant Habit: Round
Plant Height: 2-3 ft.
Plant Width: 2-4 ft.
Current Seasons Growth: 6-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: n/a

Comments on plant: Planted in 2021 - too soon to recommend.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum plicatum f. plicatum **Variety:**
Cultivar: Popcorn **Family:** Adoxaceae **Tsnum:** 18050
Common Name: Popcorn Viburnum
Source: Monrovia Growers **Quantity observed:** 3 **Location:** B3, C3

Observation Date of Plant: 9/9/2021
Plant Habit: Round
Plant Height: 4-5 ft
Plant Width: 4-5 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good to fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good to fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2018. One of two is much shorter for unknown reason.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum prunifolium **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 85115
Common Name: Blackhaw Viburnum
Source: Zelenka Nursery **Quantity observed:** 2 **Location:** B3,B2

Observation Date of Plant: 9/9/2021
Plant Habit: Broad oval
Plant Height: 5-8 ft.
Plant Width: 8-12 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Medium to dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, windbreak, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: One of two was rejuvenated in 2014.

Observation Date of Flowers: 5/2/2006

Flower Color: White

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Good

Fall Color: Dark red

Date of observation: 10/12/2021

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum rafinesquianum **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 85009
Common Name: Downy Arrowhead Viburnum
Source: Minnesota Landscape Arboretum **Quantity observed:** 1 **Location:** C3

Observation Date of Plant: 9/14/2021

Plant Habit: Irregular

Plant Height: 6 - 8 ft.

Plant Width: 4 ft

Current Seasons Growth: 3-6 in.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Poor

Landscape Uses: Specimen, shrub border

Overall Plant Health: Poor

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Size is much smaller due to decline.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum rufidulum **Variety:**
Cultivar: 21668 **Family:** Caprifoliaceae **Tsnum:** 03029
Common Name: Rusty Blackhaw Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** A5

Observation Date of Plant: 9/7/2021

Plant Habit: Upright oval to round

Plant Height: 4-6 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 10-15 in

Foliage Color: Dark green, glossy

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. 6/2/06 - Removed 80% of canopy due to -16F winter temperatures in December 2005. No damage since then. Looks good despite location at edge of arboretum where irrigation is less uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum rufidulum **Variety:**
Cultivar: 25098 **Family:** Caprifoliaceae **Tsnum:** 03030
Common Name: Rusty Blackhaw Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 3 **Location:** A5

Observation Date of Plant: 9/7/2021

Plant Habit: Upright oval to round

Plant Height: 5-7 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green, glossy

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2004. Very attractive, glossy foliage. Two of thee look good especially for growing at edge of arboretum where irrigation is less uniform. One plant looks poor and in decline.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum trilobum **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 81155
Common Name: American Cranberrybush Viburnum
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** B2, B3

Observation Date of Plant: 9/9/2021
Plant Habit: Broad oval to round
Plant Height: 4-5 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 15-20 in.

Foliage Color: Medium green
Bark Characteristics: Not very important
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Was rejuvenated in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair

Fall Color: Pale yellow

Date of observation: 10/6/2008

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum trilobum **Variety:**
Cultivar: Hahs **Family:** Caprifoliaceae **Tsnum:** 98047
Common Name: Hahs American Cranberry Bush
Source: J. Frank Schmidt and Son Co **Quantity observed:** 2 **Location:** C2, C3

Observation Date of Plant: 9/14/2021
Plant Habit: Upright oval becoming round
Plant Height: 7-10 ft.
Plant Width: 7-10 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border, hedge

Overall Plant Health: Good
Fruit Present: Few, showy
Fruit Color: Red
Insect Pests:

Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Planted in arboretum in 2004. Would probably look better with full sun. Probably deformed by heavy snow in May 2019.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum trilobum **Variety:**
Cultivar: J. N. Select **Family:** Caprifoliaceae **Tsnum:** 07035
Common Name: Redwing American Cranberrybush
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** C2

Observation Date of Plant: 9/14/2021
Plant Habit: Broad oval
Plant Height: 5-7 ft.
Plant Width: 6-10 ft.
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: Few fruit
Fruit Color: Red, showy
Insect Pests: Aphids
Pest Severity: Slight injury

Plant Disease:
Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2009. Would probably look better with full sun but getting shaded from nearby trees.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum x burkwoodii **Variety:**
Cultivar: Mohawk **Family:** Caprifoliaceae **Tsnum:** 03007
Common Name: Mohawk Burkwood Viburnum
Source: Carlton Plants **Quantity observed:** 1 **Location:** A6

Observation Date of Plant: 9/7/2021

Plant Habit: Upright oval

Plant Height: 6-8 ft.

Plant Width: 5-8 ft.

Current Seasons Growth: 3-6 in.

Foliage Color: Dark green, glossy

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems: May be getting too much shade from nearby plants.

Nuisances:

Recommended: Yes

Comments on plant: Planted in 2005. Probably would look better and be larger with more sun and more irrigation.

Observation Date of Flowers: 4/26/2006

Flower Color: Pink buds, white flowers

Flower Type: cluster

Flower Effect: Good

% of Flower Coverage: 20-40%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum x pragense **Variety:**
Cultivar: **Family:** Caprifoliaceae **Tsnum:** 03159
Common Name: Prague Viburnum
Source: Monrovia Growers **Quantity observed:** 2 **Location:** B2

Observation Date of Plant: 9/9/2021

Plant Habit: Round

Plant Height: 6-8 ft.

Plant Width: 6-8 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Dark green, glossy

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good to fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: Few fruit

Fruit Color: Red

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Sudden and severe freeze November 2014 caused 50% loss in canopy. Glossy foliage is very attractive. 5-10% of canopy has wilting and dying foliage from apparent disease.

Observation Date of Flowers: 5/10/2006

Flower Color: White flowers, pink buds

Flower Type: Cluster

Flower Effect: Fair

% of Flower Coverage: 10-15%

Bloom Stage: Flowers open

Comments on Flowers: Almost all buds over two feet above the ground are brown and crisp - appears to have frozen during the -15F weather in the winter.

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum x rhytidophylloides **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 83123
Common Name: Lantanaphyllum Viburnum
Source: US Nat'l Arboretum **Quantity observed:** 1 **Location:** F9

Observation Date of Plant: 10/5/2020
Plant Habit: Upright oval
Plant Height: 6-8 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 10-15 in.

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Coarse
Aesthetic Plant Quality: Good
Landscape Uses: Wildlife, specimen, shrub border

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Purple/black
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Moved in fall of 2016 due to unavoidable construction.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum x rhytidophylloides **Variety:** -0-
Cultivar: Alleghany **Family:** Caprifoliaceae **Tsnum:** 80150
Common Name: Alleghany Lantanaphyllum Viburnum
Source: USDA/NC-7, Ames, IA **Quantity observed:** 2 **Location:** B2

Observation Date of Plant: 9/9/2021

Plant Habit: Broad oval

Plant Height: 8 - 12 ft.

Plant Width: 15-20 ft.

Current Seasons Growth: 6 - 12 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Wildlife, specimen, xeriscape, shrub border

Overall Plant Health: Good

Fruit Present: Abundant

Fruit Color: Red turning to black

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Excellent dark green foliage and very dependable through the years.

Observation Date of Flowers: 5/10/2006

Flower Color: White/cream

Flower Type: Cluster

Flower Effect: Good

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum x rhytidophylloides **Variety:**
Cultivar: Alleghany **Family:** Caprifoliaceae **Tsnum:** 96207
Common Name: Alleghany Viburnum
Source: Denver Botanic Gardens/Plan **Quantity observed:** 4 **Location:** G0

Observation Date of Plant: 9/17/2021

Plant Habit: Round

Plant Height: 10-15 ft.

Plant Width: 10-15 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Not very important

Plant Summer Texture: Medium

Aesthetic Plant Quality: Excellent

Landscape Uses: Hedge, specimen, xeriscape, shrub border

Overall Plant Health: Excellent

Fruit Present: Few fruit

Fruit Color: Dark purple

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Excellent dark green foliage.

Observation Date of Flowers: 5/8/2006

Flower Color: White

Flower Type: cluster

Flower Effect: Good

% of Flower Coverage: 60-80%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Viburnum x rhytidophylloides **Variety:**
Cultivar: Willowwood **Family:** Caprifoliaceae **Tsnum:** 94004
Common Name: Willowwood Viburnum
Source: Sjulín Nurseries **Quantity observed:** 1 **Location:** A4

Observation Date of Plant: 9/6/2021

Plant Habit: Irregular

Plant Height: 6-9 ft.

Plant Width: 4-6 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Good

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Would probably look better in full sun and more irrigation since it is at edge of arboretum where irrigation is less uniform.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Vitex agnus-castus **Variety:**
Cultivar: VX15-01-173 (Delta Pink) **Family:** Lamiaceae **Tsnum:** 18167
Common Name: First Editions® TBA
Source: Bailey Nurseries **Quantity observed:** 4 **Location:** G4

Observation Date of Plant: 9/17/2021
Plant Habit: Broad oval
Plant Height: 3-4 ft
Plant Width: 4-6 ft.
Current Seasons Growth: 12-18 in

Foliage Color: Dark green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, shrub border

Overall Plant Health: Good
Fruit Present: Moderate amount
Fruit Color: Green
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Planted in 2018.

Observation Date of Flowers:
Flower Color:
Flower Type:
Flower Effect:
% of Flower Coverage:
Bloom Stage:
Comments on Flowers:

Fall Color or Fruit:
Aesthetics:
Fall Color:

Date of observation:
Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Weigela florida **Variety:** -0-
Cultivar: Eva Rathke **Family:** Caprifoliaceae **Tsnum:** 88082
Common Name: Eva Rathke Old Fashioned Weigela
Source: Mount Arbor Nursery **Quantity observed:** 2 **Location:** A11

Observation Date of Plant: 8/26/2020
Plant Habit: Upright oval becoming round
Plant Height: 4-6 ft.
Plant Width: 6-8 ft.
Current Seasons Growth: 6-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Removed about 40% of dead wood in 2010 from one of two plants - possibly due to harsh winter in 2009-2010. Both plants have 5-10 % dead twigs but not sure if it was from last fall since first frost was very severe.

Observation Date of Flowers: 6/5/2006

Flower Color: Red

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 40-50%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Weigela florida **Variety:** -0-
Cultivar: Pink Delight **Family:** Caprifoliaceae **Tsnum:** 84204
Common Name: Pink Delight Old Fashioned Weigela
Source: Bailey Nurseries **Quantity observed:** 1 **Location:** A12

Observation Date of Plant: 8/27/2020

Plant Habit: Broad oval to round

Plant Height: 6-8 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 1-2 ft.

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Coarse

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Has a lot of dead twigs on tips.

Observation Date of Flowers: 6/2/2006

Flower Color: Rose/pink

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 40-60%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Weigela florida **Variety:** -0-
Cultivar: Vaniceki **Family:** Caprifoliaceae **Tsnum:** 81157
Common Name: Vanicek Old Fashioned Weigela
Source: Bailey Nurseries **Quantity observed:** 3 **Location:** A13

Observation Date of Plant: 8/28/2020
Plant Habit: Round becoming broad oval
Plant Height: 4-6 ft.
Plant Width: 5-8 ft.
Current Seasons Growth: 2-3 ft.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair
Fruit Present: None
Fruit Color:
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Two of three rejuvenated in 2016. Has significant dieback in extreme cold weather events but usually ok. One plant has moderate chlorosis.

Observation Date of Flowers: 6/2/2006
Flower Color: Dark Red
Flower Type: Single
Flower Effect: Good
% of Flower Coverage: 80-90%
Bloom Stage: Flowers open
Comments on Flowers: Best Weigela for flowers in this collection.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Weigela florida **Variety:**
Cultivar: Variegata **Family:** Caprifoliaceae **Tsnum:** 94005
Common Name: Variegated Weigala
Source: Sjulín Nurseries **Quantity observed:** 1 **Location:** A11

Observation Date of Plant: 8/25/2020

Plant Habit: Round

Plant Height: 1 ft.

Plant Width: 1-2 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Variegated, medium green and light green and white

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant: Rejuvenated in 2020.

Observation Date of Flowers: 5/26/2006

Flower Color: Pink fading to white

Flower Type: Single

Flower Effect: Fair

% of Flower Coverage: 15-30%

Bloom Stage: Flowers open

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Weigela hortensis **Variety:** -0-
Cultivar: -0- **Family:** Caprifoliaceae **Tsnum:** 85037
Common Name: Weigela
Source: US Nat'l Arboretum **Quantity observed:** 2 **Location:** A12

Observation Date of Plant: 8/26/2020
Plant Habit: Broad oval to irregular
Plant Height: 3-4 ft.
Plant Width: 4-8 ft.
Current Seasons Growth: 4-8 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Fair
Landscape Uses: Specimen, shrub border

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Both plants are slightly chlorotic with thin canopies.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Xanthoceras sorbifolium **Variety:**
Cultivar: **Family:** Sapindaceae **Tsnum:** 12164
Common Name: Yellowhorn
Source: Garden and Home Show **Quantity observed:** 1 **Location:** G0

Observation Date of Plant: 9/17/2021

Plant Habit: Irregular

Plant Height: 7-10 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 6-12 in

Foliage Color: Medium green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Good

Landscape Uses: Specimen, wildlife, edible

Overall Plant Health: Good

Fruit Present: Moderate amount, squirrels get them quickly

Fruit Color: brown

Insect Pests:

Pest Severity:

Plant Disease:

Disease Severity:

Cultural Problems:

Nuisances:

Recommended: Yes

Comments on plant:

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Xanthoceras sorbifolium **Variety:**
Cultivar: **Family:** Sapindaceae **Tsnum:** 97067
Common Name: Yellowhorn
Source: Bailey Nurseries **Quantity observed:** 2 **Location:** D7, G0

Observation Date of Plant: 9/21/2020
Plant Habit: Upright oval becoming round
Plant Height: 20-30 ft.
Plant Width: 15-20 ft.
Current Seasons Growth: 8-12 in.

Foliage Color: Medium green
Bark Characteristics: Unimportant
Plant Summer Texture: Medium
Aesthetic Plant Quality: Good
Landscape Uses: Residential street, specimen, wildlife

Overall Plant Health: Good
Fruit Present: Few fruit but still interesting
Fruit Color: brown
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes
Comments on plant: Attractive foliage. Looks good all summer. Edible nuts are good but fairly small and labor intensive.

Observation Date of Flowers: 4/24/2012
Flower Color: White developing a maroon eye
Flower Type: Cluster
Flower Effect: Excellent
% of Flower Coverage: 95-100%
Bloom Stage: Flowers open
Comments on Flowers:

Fall Color or Fruit: Fall color **Date of observation:** 10/10/2004
Aesthetics: Good **Persistence:** 1-2 weeks
Fall Color: Yellow

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Zelkova serrata **Variety:**
Cultivar: Green Vase **Family:** Ulmaceae **Tsnum:** 01019
Common Name: Green Vase Zelkova
Source: Carlton Plants **Quantity observed:** 1 **Location:** SC6-3

Observation Date of Plant: 9/13/2021

Plant Habit: Vase

Plant Height: 20-30 ft.

Plant Width: 10-14 ft.

Current Seasons Growth: 10-15 in.

Foliage Color: Medium green

Bark Characteristics: Intermediate importance

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair

Landscape Uses: Residential street, specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Severe injury

Cultural Problems:

Nuisances:

Recommended: Marginal

Comments on plant: Planted in arboretum in 2003. Cankers have caused large dead area at four areas along trunk but canopy looks a lot more healthy in 2019.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit:

Aesthetics:

Fall Color:

Date of observation:

Persistence:

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Zelkova serrata **Variety:**
Cultivar: Musashino **Family:** Ulmaceae **Tsnum:** 99010
Common Name: Musashino Zelkova
Source: J. Frank Schmidt and Son Co **Quantity observed:** 3 **Location:** SC6-3, 11-1, 12-01

Observation Date of Plant: 8/21/2020

Plant Habit: Vase

Plant Height: 12-17 ft.

Plant Width: 5-7 ft.

Current Seasons Growth: 6-12 in.

Foliage Color: Medium to dark green

Bark Characteristics: Unimportant

Plant Summer Texture: Medium

Aesthetic Plant Quality: Fair to poor

Landscape Uses: Residential street, Specimen

Overall Plant Health: Fair

Fruit Present: None

Fruit Color:

Insect Pests:

Pest Severity:

Plant Disease: Canker

Disease Severity: Moderate to severe damage

Cultural Problems:

Nuisances:

Recommended: No

Comments on plant: Planted in 2003. Appears hardy for this area but susceptible to canker.

Observation Date of Flowers:

Flower Color:

Flower Type:

Flower Effect:

% of Flower Coverage:

Bloom Stage:

Comments on Flowers:

Fall Color or Fruit: Fall color

Aesthetics: Fair to good

Fall Color: Red

Date of observation: 10/9/2009

Persistence: 1-2 weeks

**2021 Woody Plant Evaluations
at the Colorado State University Heritage Arboretum, Fort Collins, CO**

Scientific Name: Ziziphus jujube **Variety:** -0-
Cultivar: -0- **Family:** Rhamnaceae **Tsnum:** 78013
Common Name: Common Jujube
Source: Knox City Plant Material **Quantity observed:** 1 **Location:** E7

Observation Date of Plant: 9/28/2020
Plant Habit: Upright oval
Plant Height: 18-24 ft.
Plant Width: 20-25 ft
Current Seasons Growth: 12-18 in.

Foliage Color: Medium green, very glossy
Bark Characteristics: Unimportant
Plant Summer Texture: Fine
Aesthetic Plant Quality: Good
Landscape Uses: Specimen, large shrub for back of border, small tree

Overall Plant Health: Good
Fruit Present: Few fruit
Fruit Color: Brown/Orange
Insect Pests:
Pest Severity:
Plant Disease:
Disease Severity:
Cultural Problems:
Nuisances:
Recommended: Yes

Comments on plant: Foliage is drab "Army green" but very glossy. Has had die back during a very cold winter about 1990 but had no problems during severe cold in winters since then. Growth habit deformed by early fall snow on 9.8.20.

Observation Date of Flowers: 7/23/2003
Flower Color: Yellow
Flower Type: Cluster
Flower Effect: Poor
% of Flower Coverage: 26-50%
Bloom Stage: Flowers open
Comments on Flowers: Flowers are too tiny to be showy.

Fall Color or Fruit: **Date of observation:**
Aesthetics: **Persistence:**
Fall Color: