

Autumn Brilliance Serviceberry

Amelanchier x grandiflora (Autumn Brilliance)



Leaf



Fall

General Attributes

Type	
Height	20 - 25 Feet
Spread	15 - 15 Feet
Form	Rounded or Rounded
Utility Lines	Compatible
Growth Rate	Medium
Life Expectancy	Medium
USDA Zone	3 - 8
Root Pattern	Shallow Lateral

Flowers/Foliage/Fruits

Flower Color	White
Flower Season	Spring
Fruit	Pome
Fruit Color	Black
Fruit Season	Summer
Summer Texture	Medium
Winter Texture	Fine
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Orange
Winter Foliage	Not Applicable

Plant Community

Sun	Full Sun, Partial Sun, Shade
Orientation	North, South, East, West
Soil Texture	Sandy Loam to Sandy Clay
Topography	Upland
Plant Community	
Succession	Intermediate
Origin	North America

Soils

Salt Spray Tolerance	Sensitive
Soil Salt Tolerance	
Compaction Tolerance	Intolerant
Water Table	12 Inches
Drainage	Excessive, Moderate
Flood Tolerance	
Drought Tolerance	
Moisture Regime	Moist, Wet
pH	6.1 through 7.5
Windbreak Group	

Autumn Brilliance Serviceberry

Amelanchier x grandiflora (Autumn Brilliance)



Planting Ease

Spring Bareroot	Moderate
Fall Bareroot	Difficult
Spring Container	Easy
Fall Container	Easy
Spring Seed	
Fall Seed	

Maintenance

Formal	Moderate
Informal	Low
2,4-D Tolerance	Sensitive
Dicamba Tolerance	Sensitive
Picloram Tolerance	Sensitive
Clopyralid Tolerance	
Artificial Light	
Sulfur Dioxide	Sensitive
Ozone Tolerance	
Hydrogen Flouride	Moderate
Nitrogen Oxide	

Pests/Problems

Allergens	males 3, females 3
Invasiveness	Non-Invasive
Toxicity	
Cold Injury	Not Susceptible
Storm Damage	Not Susceptible
Biological Control	
Mechanical Control	
Chemical Control	

Miscellaneous

Wildlife Rating	High
Insect Concerns	
Disease Concern	
Wildlife Concerns	

Comments

Naturally occurring hybrid between *A. arborea* and *A. laevis*. Holds leaves well for brilliant fall color. Light gray bark and interesting branch pattern. Showy, edible sweet fruit.



Flower



Immature

Amur Maackia

Maackia amurensis



General Attributes

Type	
Height	15 - 20 Feet
Spread	12 - 15 Feet
Form	Upright
Utility Lines	Compatible
Growth Rate	Slow
Life Expectancy	Medium
USDA Zone	3 - 8
Root Pattern	Shallow Lateral

Flowers/Foliage/Fruits

Flower Color	White
Flower Season	Spring
Fruit	Pod
Fruit Color	Light Brown
Fruit Season	
Summer Texture	Medium
Winter Texture	Coarse
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Yellow
Winter Foliage	

Planting Ease

Spring Bareroot	
Fall Bareroot	
Spring Container	Easy
Fall Container	Easy
Spring Seed	
Fall Seed	

Plant Community

Sun	Full Sun, Partial Sun
Orientation	North, South, East, West
Soil Texture	Sandy Loam to Clay Loam
Topography	Upland, Lowland (Stable Water)
Plant Community	Forest, Forest Edge, Old Field
Succession	Pioneer, Intermediate
Origin	Non North America

Soils

Salt Spray Tolerance	Sensitive
Soil Salt Tolerance	Sensitive
Compaction Tolerance	Tolerant
Water Table	24 Inches
Drainage	Excessive, Moderate
Flood Tolerance	
Drought Tolerance	Tolerant
Moisture Regime	Dry, Moist
pH	5.5 through 8.0
Windbreak Group	

Maintenance

Formal	Low
Informal	Low
2,4-D Tolerance	
Dicamba Tolerance	Sensitive
Picloram Tolerance	
Clopyralid Tolerance	
Artificial Light	
Sulfur Dioxide	
Ozone Tolerance	
Hydrogen Flouride	
Nitrogen Oxide	

Amur Maackia

Maackia amurensis



Pests/Problems

Allergens	
Invasiveness	Non-Invasive
Toxicity	
Cold Injury	Not Susceptible
Storm Damage	Not Susceptible
Biological Control	
Mechanical Control	
Chemical Control	

Miscellaneous

Wildlife Rating	Moderate
Insect Concerns	Minor
Disease Concern	Minor
Wildlife Concerns	

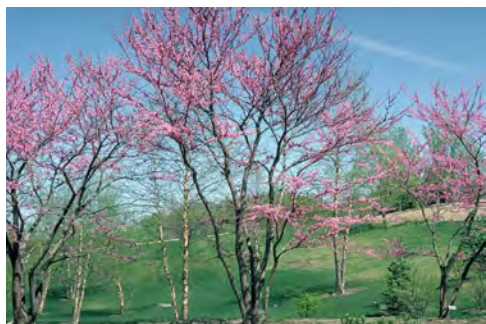
Comments

Tough plant for tough sites. Stays small, fixes nitrogen.

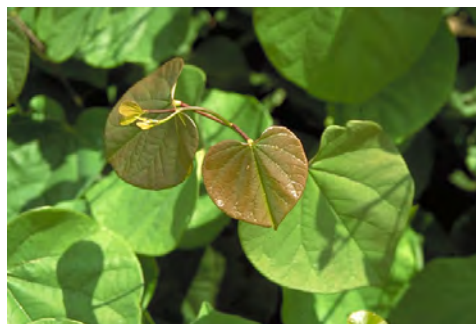


Redbud

Cercis canadensis



Mature



Leaf

General Attributes

Type	Deciduous Tree
Height	20 - 35 Feet
Spread	20 - 35 Feet
Form	Globular
Utility Lines	Compatible
Growth Rate	Slow
Life Expectancy	Medium
USDA Zone	4 - 9
Root Pattern	Shallow Lateral

Flowers/Foliage/Fruits

Flower Color	Pink
Flower Season	Spring
Fruit	Pod
Fruit Color	Dark Brown
Fruit Season	Fall
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Yellow
Winter Foliage	Not Applicable

Plant Community

Sun	Full Sun, Partial Sun, Shade
Orientation	North, South, East, West
Soil Texture	Sandy Loam to Silty Clay
Topography	Upland
Plant Community	Forest, Savannah
Succession	Pioneer
Origin	North America

Soils

Salt Spray Tolerance	Sensitive
Soil Salt Tolerance	
Compaction Tolerance	Moderate
Water Table	12 Inches
Drainage	Moderate
Flood Tolerance	
Drought Tolerance	
Moisture Regime	Moist, Wet
pH	6.1 through 8.0
Windbreak Group	

Redbud

Cercis canadensis



Planting Ease

Spring Bareroot	Moderate
Fall Bareroot	Difficult
Spring Container	Easy
Fall Container	Easy
Spring Seed	
Fall Seed	

Maintenance

Formal	Moderate
Informal	Moderate
2,4-D Tolerance	Sensitive
Dicamba Tolerance	Sensitive
Picloram Tolerance	Sensitive
Clopyralid Tolerance	
Artificial Light	
Sulfur Dioxide	Moderate
Ozone Tolerance	Moderate
Hydrogen Flouride	Sensitive
Nitrogen Oxide	

Pests/Problems

Allergens	males 5, females 5
Invasiveness	Non-Invasive
Toxicity	
Cold Injury	Susceptible
Storm Damage	Susceptible
Biological Control	
Mechanical Control	
Chemical Control	

Miscellaneous

Wildlife Rating	Low
Insect Concerns	Minor
Disease Concern	Major
Wildlife Concerns	

Comments

Should be planted in protected areas in Minnesota. Select trees of northern origin only. Pea-like flowers borne before leaves appear in spring. Good small tree.



Bark



Dormant

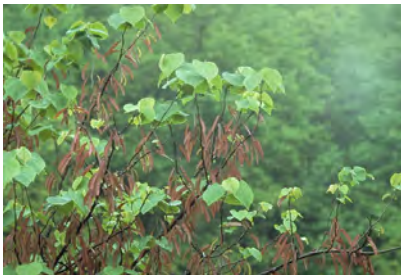
Redbud
Cercis canadensis



Fall



Flower



Fruit



Immature

Thornless Cockspur Hawthorn

Crataegus crus-galli inermis



Mature



Flower

General Attributes

Type	Deciduous Tree
Height	15 - 25 Feet
Spread	15 - 30 Feet
Form	Globular
Utility Lines	Compatible
Growth Rate	Slow
Life Expectancy	Medium
USDA Zone	4 - 7
Root Pattern	Deep Lateral

Flowers/Foliage/Fruits

Flower Color	White
Flower Season	Spring
Fruit	Drupe
Fruit Color	Red
Fruit Season	Spring, Summer, Fall, Winter
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Orange
Winter Foliage	Not Applicable

Plant Community

Sun	Full Sun, Partial Sun
Orientation	North, South, East, West
Soil Texture	Sandy Loam to Clay
Topography	Upland, Lowland (Flood Prone), Lowland (Stable Water)
Plant Community	Forest, Savannah, Grassland
Succession	Pioneer
Origin	North America

Soils

Salt Spray Tolerance	Sensitive
Soil Salt Tolerance	Sensitive
Compaction Tolerance	Moderate
Water Table	12 Inches
Drainage	Excessive, Moderate
Flood Tolerance	
Drought Tolerance	Tolerant
Moisture Regime	Dry, Moist, Wet
pH	6.1 through 8.0
Windbreak Group	

Thornless Cockspur Hawthorn

Crataegus crus-galli inermis



Planting Ease

Spring Bareroot	Difficult
Fall Bareroot	Difficult
Spring Container	Easy
Fall Container	Easy
Spring Seed	
Fall Seed	

Maintenance

Formal	Moderate
Informal	Low
2,4-D Tolerance	Tolerant
Dicamba Tolerance	Sensitive
Picloram Tolerance	Sensitive
Clopyralid Tolerance	
Artificial Light	
Sulfur Dioxide	Tolerant
Ozone Tolerance	Tolerant
Hydrogen Flouride	
Nitrogen Oxide	

Pests/Problems

Allergens	males 4, females 4
Invasiveness	Invasive
Toxicity	
Cold Injury	Moderately Susceptible
Storm Damage	Not Susceptible
Biological Control	
Mechanical Control	
Chemical Control	

Miscellaneous

Wildlife Rating	Moderate
Insect Concerns	Minor
Disease Concern	Major
Wildlife Concerns	

Comments

'Cruzam' variety is disease resistant. Thornless. Bare root plants require sweating.



Bark



Dormant

Thornless Cockspur Hawthorn

Crataegus crus-galli inermis



Fruit

Spring Snow Crabapple

Malus (Spring Snow)



Mature



Flower

General Attributes

Type	Deciduous Tree
Height	25 - 30 Feet
Spread	15 - 15 Feet
Form	Rounded
Utility Lines	Compatible
Growth Rate	Medium
Life Expectancy	Medium
USDA Zone	3 - 8
Root Pattern	Shallow Lateral

Flowers/Foliage/Fruits

Flower Color	White
Flower Season	Spring
Fruit	Seedless
Fruit Color	
Fruit Season	
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Yellow
Winter Foliage	Not Applicable

Plant Community

Sun	Full Sun
Orientation	North, South, East, West
Soil Texture	Sandy Loam to Clay Loam
Topography	Upland
Plant Community	Forest Edge
Succession	
Origin	

Soils

Salt Spray Tolerance	Sensitive
Soil Salt Tolerance	Sensitive
Compaction Tolerance	Moderate
Water Table	12 Inches
Drainage	Moderate
Flood Tolerance	
Drought Tolerance	
Moisture Regime	Dry, Moist, Wet
pH	5.0 through 7.5
Windbreak Group	

Spring Snow Crabapple

Malus (Spring Snow)



Planting Ease

Spring Bareroot	Easy
Fall Bareroot	
Spring Container	Easy
Fall Container	Moderate
Spring Seed	
Fall Seed	

Maintenance

Formal	Moderate
Informal	Low
2,4-D Tolerance	Sensitive
Dicamba Tolerance	Sensitive
Picloram Tolerance	Sensitive
Clopyralid Tolerance	
Artificial Light	
Sulfur Dioxide	
Ozone Tolerance	Moderate
Hydrogen Flouride	
Nitrogen Oxide	

Pests/Problems

Allergens	males 4, females 4
Invasiveness	Non-Invasive
Toxicity	Has toxic Fruit
Cold Injury	Not Susceptible
Storm Damage	Not Susceptible
Biological Control	
Mechanical Control	
Chemical Control	

Miscellaneous

Wildlife Rating	Low
Insect Concerns	Minor
Disease Concern	Major
Wildlife Concerns	

Comments

Excellent for street planting. No fruit. Severely susceptible to scab, slightly susceptible to fireblight and cedar apple rust. Good heat tolerance. Seeds are poisonous.



Bark



Dormant

Ivory Silk Lilac

Syringa reticulata (Ivory Silk)



Mature



Flower

General Attributes

Type	Deciduous Tree
Height	25 - 25 Feet
Spread	15 - 20 Feet
Form	Rounded
Utility Lines	Compatible
Growth Rate	Medium
Life Expectancy	Medium
USDA Zone	4 - 7
Root Pattern	Shallow Lateral

Flowers/Foliage/Fruits

Flower Color	White
Flower Season	Summer
Fruit	Capsule
Fruit Color	Dark Brown
Fruit Season	Spring, Summer, Fall, Winter
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Yellow Green
Winter Foliage	Not Applicable

Plant Community

Sun	Full Sun
Orientation	North, South, East, West
Soil Texture	Sandy Loam to Clay Loam
Topography	Upland
Plant Community	
Succession	
Origin	Non North America

Soils

Salt Spray Tolerance	Tolerant
Soil Salt Tolerance	
Compaction Tolerance	Intolerant
Water Table	24 Inches
Drainage	Moderate
Flood Tolerance	
Drought Tolerance	
Moisture Regime	Moist, Wet
pH	6.5 through 8.0
Windbreak Group	

Ivory Silk Lilac

Syringa reticulata (Ivory Silk)



Planting Ease

Spring Bareroot	Easy
Fall Bareroot	
Spring Container	Easy
Fall Container	Easy
Spring Seed	
Fall Seed	

Maintenance

Formal	Low
Informal	Low
2,4-D Tolerance	Sensitive
Dicamba Tolerance	Sensitive
Picloram Tolerance	Sensitive
Clopyralid Tolerance	
Artificial Light	
Sulfur Dioxide	
Ozone Tolerance	
Hydrogen Flouride	Moderate
Nitrogen Oxide	

Pests/Problems

Allergens	males 6, females 6
Invasiveness	Non-Invasive
Toxicity	
Cold Injury	Not Susceptible
Storm Damage	Not Susceptible
Biological Control	
Mechanical Control	
Chemical Control	

Miscellaneous

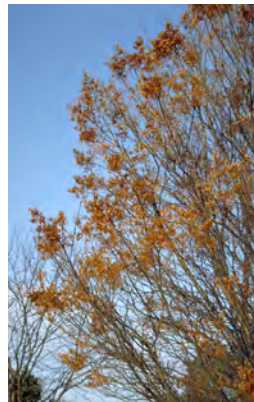
Wildlife Rating	Low
Insect Concerns	Minor
Disease Concern	Minor
Wildlife Concerns	

Comments

Introduced in Ontario, Canada. Selected for superior bloom and foliage. Flowers at a young age. Sturdy and more compact growth than the species. Cherry-like bark.



Bark



Fruit