

Rocky Mountain Juniper

Juniperus scopulorum



Mature



Leaf

General Attributes

Type	Evergreen Tree
Height	4 - 20 Feet
Spread	6 - 8 Feet
Form	Upright
Utility Lines	Compatible
Growth Rate	Slow
Life Expectancy	Long
USDA Zone	3 - 7
Root Pattern	

Flowers/Foliage/Fruits

Flower Color	Yellow
Flower Season	Spring
Fruit	Cone
Fruit Color	Blue
Fruit Season	Spring, Summer, Fall, Winter
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Green
Winter Foliage	Green

Plant Community

Sun	Full Sun
Orientation	South, West
Soil Texture	Sand to Clay
Topography	Upland
Plant Community	Forest, Savannah, Grassland
Succession	Intermediate
Origin	North America

Soils

Salt Spray Tolerance	Sensitive
Soil Salt Tolerance	
Compaction Tolerance	Moderate
Water Table	24 Inches
Drainage	Excessive, Moderate
Flood Tolerance	
Drought Tolerance	Tolerant
Moisture Regime	Dry, Moist, Wet
pH	6.0 through 8.0
Windbreak Group	

Rocky Mountain Juniper

Juniperus scopulorum



Planting Ease

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

Maintenance

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

Pests/Problems

Allergens	males 10, females 1, bisexual 9
Invasiveness	Non-Invasive
Toxicity	Has toxic Roots, Stems, Leaves, Flowers, Fruit
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

Frequently planted for screens, background groupings, and in foundation plantings. Alternative host for cedar apple rust; some cultivars appear resistant to the rust disease. Any portion of the plant is considered toxic, if ingested.

Freedom Honeysuckle

Lonicera x (Freedom)



Mature



Leaf

General Attributes

Type	Deciduous Shrub
Height	8 - 10 Feet
Spread	8 - 10 Feet
Form	Rounded
Utility Lines	Compatible
Growth Rate	Fast
Life Expectancy	
USDA Zone	3 - 7
Root Pattern	

Flowers/Foliage/Fruits

Flower Color	White
Flower Season	Spring
Fruit	Berry
Fruit Color	Red
Fruit Season	Summer
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Brown
Winter Foliage	Not Applicable

Plant Community

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

Soils

Salt Spray Tolerance	Moderate
Soil Salt Tolerance	Moderate
Compaction Tolerance	Moderate
Water Table	24 Inches
Drainage	Excessive, Moderate
Flood Tolerance	
Drought Tolerance	Tolerant
Moisture Regime	Dry, Moist, Wet
pH	6.0 through 8.0
Windbreak Group	

Freedom Honeysuckle

Lonicera x (Freedom)



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	
Nitrogen Oxide	

Pests/Problems

Allergens	males 5, females 5
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

University of MN introduction for its resistance to the honeysuckle witches broom aphid. Vigorous grower for use as a screen & background plant.



Dormant



Flower

Freedom Honeysuckle

Lonicera x (Freedom)



Mass

Dwarf Mugho Pine

Pinus mugo pumilio



Mature



Leaf

General Attributes

Type	Evergreen Shrub
Height	3 - 5 Feet
Spread	3 - 6 Feet
Form	Prostrate
Utility Lines	Compatible
Growth Rate	Slow
Life Expectancy	Long
USDA Zone	2 - 7
Root Pattern	

Flowers/Foliage/Fruits

Flower Color	
Flower Season	Spring
Fruit	Cone
Fruit Color	Light Brown
Fruit Season	Fall
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Green
Winter Foliage	Green

Plant Community

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

Soils

Salt Spray Tolerance	Moderate
Soil Salt Tolerance	Tolerant
Compaction Tolerance	Intolerant
Water Table	24 Inches
Drainage	Excessive, Moderate
Flood Tolerance	
Drought Tolerance	Tolerant
Moisture Regime	Moist, Wet
pH	5.1 through 8.5
Windbreak Group	

Dwarf Mugho Pine

Pinus mugo pumilio



Planting Ease

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

Maintenance

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

Pests/Problems

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

Miscellaneous

Wildlife Rating	Low
Insect Concerns	Major
Disease Concern	Minor
Wildlife Concerns	

Comments

Dwarf plant that is bright green in all seasons. Mounded shape that can be maintained by pruning. Very hardy and rugged. Scale insects can become serious pests.

Smooth Sumac

Rhus glabra



Mature



Native Range

General Attributes

Type	Deciduous Shrub
Height	10 - 15 Feet
Spread	10 - 15 Feet
Form	Irregular
Utility Lines	Compatible
Growth Rate	Fast
Life Expectancy	Short
USDA Zone	2 - 7
Root Pattern	

Flowers/Foliage/Fruits

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

Plant Community

Sun	Full Sun
Orientation	North, South, East, West
Soil Texture	Sand to Clay
Topography	Upland
Plant Community	Savannah, Forest Edge, Old Field, Grassland
Succession	Pioneer
Origin	MSA Zone 1, MSA Zone 2, MSA Zone 3, MSA Zone 4, MSA Zone 5, MSA Zone 6, Minnesota, North America

Soils

Salt Spray Tolerance	Moderate
Soil Salt Tolerance	Moderate
Compaction Tolerance	Intolerant
Water Table	24 Inches
Drainage	Excessive, Moderate
Flood Tolerance	
Drought Tolerance	Tolerant
Moisture Regime	Dry, Moist, Wet
pH	6.0 through 7.5
Windbreak Group	

Smooth Sumac

Rhus glabra



Planting Ease

Spring Bareroot	Moderate
Fall Bareroot	
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	Sensitive
Artificial Light	Sensitive
Sulfur Dioxide	Moderate
Ozone Tolerance	Sensitive
Hydrogen Flouride	Moderate
Nitrogen Oxide	

Pests/Problems

Allergens	males 10, females 7
Invasiveness	Invasive
Toxicity	Has toxic Roots, Stems, Leaves, Flowers, Fruit
Cold Injury	Moderately Susceptible
Storm Damage	Susceptible
Biological Control	
Mechanical Control	
Chemical Control	

Miscellaneous

Wildlife Rating	High
Insect Concerns	Minor
Disease Concern	Minor
Wildlife Concerns	

Comments

Small yellow flowers in spring followed by red hairy fruit. Any portion of the plant is considered toxic, if ingested.



Dormant



Fall

Smooth Sumac

Rhus glabra



Leaf

Bridalwreath Spirea

Spiraea prunifolia



Mature



Flower

General Attributes

Type	Deciduous Shrub
Height	5 - 9 Feet
Spread	6 - 8 Feet
Form	
Utility Lines	Incompatible
Growth Rate	Medium
Life Expectancy	Medium
USDA Zone	4A - 9
Root Pattern	

Flowers/Foliage/Fruits

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

Plant Community

Sun	Full Sun, Partial Sun
Orientation	
Soil Texture	
Topography	Upland, Lowland (Flood Prone)
Plant Community	
Succession	Pioneer, Intermediate
Origin	Non North America

Soils

Salt Spray Tolerance	
Soil Salt Tolerance	
Compaction Tolerance	
Water Table	
Drainage	Excessive, Moderate
Flood Tolerance	
Drought Tolerance	Tolerant
Moisture Regime	Dry, Moist
pH	6.1 through 7.8
Windbreak Group	

Bridalwreath Spirea

Spiraea prunifolia



Planting Ease

Spring Bareroot

Fall Bareroot

Spring Container

Fall Container

Spring Seed

Fall Seed

Maintenance

Formal

Low

Informal

Low, Moderate

2,4-D Tolerance

Dicamba Tolerance

Picloram Tolerance

Clopyralid Tolerance

Artificial Light

Sulfur Dioxide

Ozone Tolerance

Hydrogen Flouride

Nitrogen Oxide

Pests/Problems

Allergens

Invasiveness

Toxicity

Cold Injury

Storm Damage

Biological Control

Mechanical Control

Chemical Control

Miscellaneous

Wildlife Rating

Insect Concerns

Disease Concern

Wildlife Concerns

Comments

Double white flowers, produced abundantly on arching branches in early spring before leaves appear.

Miss Kim Lilac

Syringa patula (Miss Kim)



Mature



Fall

General Attributes

Type	Deciduous Shrub
Height	8 - 10 Feet
Spread	10 - 15 Feet
Form	Spreading
Utility Lines	Compatible
Growth Rate	Slow
Life Expectancy	Medium
USDA Zone	3 - 7
Root Pattern	

Flowers/Foliage/Fruits

Flower Color	Pink
Flower Season	Spring
Fruit	Capsule
Fruit Color	Tan
Fruit Season	Fall
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Dark Green
Summer Foliage	Dark Green
Fall Foliage	Red
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	Moderate
Soil Salt Tolerance	
Compaction Tolerance	Moderate
Water Table	24 Inches
Drainage	Moderate
Flood Tolerance	
Drought Tolerance	
Moisture Regime	Moist, Wet
pH	6.5 through 7.5
Windbreak Group	

Miss Kim Lilac

Syringa patula (Miss Kim)



Planting Ease

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

Maintenance

Formal	Low
Informal	Moderate
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

Previously known as *S. velutina*. Single flowers appear when other lilacs have finished. Prune after flowering. One of the few lilacs to turn purplish red in fall. Suitable for foundation or border planting.



Dormant



Flower

Arrowwood Viburnum

Viburnum dentatum



Mature



Fall

General Attributes

Type	Deciduous Shrub
Height	8 - 12 Feet
Spread	6 - 15 Feet
Form	Rounded
Utility Lines	Compatible
Growth Rate	Medium
Life Expectancy	Short
USDA Zone	3 - 8
Root Pattern	

Flowers/Foliage/Fruits

Flower Color	White
Flower Season	Spring
Fruit	Drupe
Fruit Color	Black
Fruit Season	Fall
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Dark Green
Summer Foliage	Dark Green
Fall Foliage	Purple
Winter Foliage	Not Applicable

Plant Community

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

Soils

Salt Spray Tolerance	Moderate
Soil Salt Tolerance	Moderate
Compaction Tolerance	Moderate
Water Table	12 Inches
Drainage	Poor, Moderate
Flood Tolerance	
Drought Tolerance	Tolerant
Moisture Regime	Moist, Wet
pH	5.1 through 7.5
Windbreak Group	

Arrowwood Viburnum

Viburnum dentatum



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	Tolerant
Hydrogen Flouride	Sensitive
Nitrogen Oxide	

Pests/Problems

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

Miscellaneous

Wildlife Rating	High
Insect Concerns	Minor
Disease Concern	Minor
Wildlife Concerns	

Comments

Multistemmed shrub that suckers freely from the base. Use in wet soils, informal hedges, or mass plantings. Leaves are coarsely toothed. Fruit is edible. Fall color is variable within the species.



Flower



Fruit

Arrowwood Viburnum

Viburnum dentatum



Mass