

# Norway Spruce

*Picea abies*



Mature



Bark

## General Attributes

<b>Type</b>	Evergreen Tree
<b>Height</b>	40 - 100 Feet
<b>Spread</b>	20 - 50 Feet
<b>Form</b>	Pyramidal
<b>Utility Lines</b>	Incompatible
<b>Growth Rate</b>	Fast
<b>Life Expectancy</b>	Medium
<b>USDA Zone</b>	3 - 7
<b>Root Pattern</b>	Shallow Lateral

## Flowers/Foliage/Fruits

<b>Flower Color</b>	Pink
<b>Flower Season</b>	Spring
<b>Fruit</b>	Cone
<b>Fruit Color</b>	Dark Brown
<b>Fruit Season</b>	Fall
<b>Summer Texture</b>	Medium
<b>Winter Texture</b>	Medium
<b>Spring Foliage</b>	Green
<b>Summer Foliage</b>	Green
<b>Fall Foliage</b>	Green
<b>Winter Foliage</b>	Green

## Plant Community

<b>Sun</b>	Full Sun
<b>Orientation</b>	North, South, East, West
<b>Soil Texture</b>	Sandy Loam to Clay
<b>Topography</b>	Upland
<b>Plant Community</b>	Forest
<b>Succession</b>	Climax
<b>Origin</b>	Non North America

## Soils

<b>Salt Spray Tolerance</b>	Moderate
<b>Soil Salt Tolerance</b>	Moderate
<b>Compaction Tolerance</b>	Intolerant
<b>Water Table</b>	24 Inches
<b>Drainage</b>	Moderate
<b>Flood Tolerance</b>	
<b>Drought Tolerance</b>	Tolerant
<b>Moisture Regime</b>	Dry, Moist, Wet
<b>pH</b>	4.7 through 7.5
<b>Windbreak Group</b>	

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## Planting Ease

Spring Bareroot	Easy
Fall Bareroot	
Spring Container	Easy
Fall Container	Moderate
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	Sensitive
Ozone Tolerance	Tolerant
Hydrogen Flouride	
Nitrogen Oxide	Moderate

## 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	Minor
Disease Concern	Minor
Wildlife Concerns	

## Comments

Seed source is critical for winter survival. Largest and fastest growing spruce. Tree thins as it ages. Large cones often used in decorations. 'Pendula' is a weeping cultivar.



Fruit