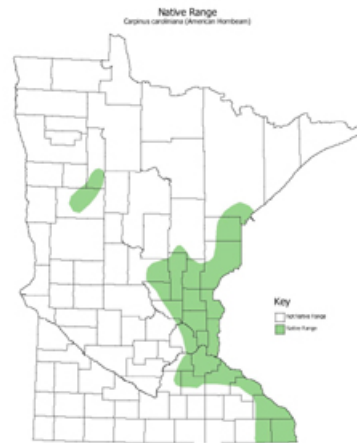


Blue Beech

Carpinus caroliniana



Mature



Native Range

General Attributes

Type	Deciduous Tree
Height	15 - 30 Feet
Spread	15 - 25 Feet
Form	Globular
Utility Lines	Compatible
Growth Rate	Slow
Life Expectancy	Long
USDA Zone	3 - 9
Root Pattern	Deep Lateral

Flowers/Foliage/Fruits

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

Plant Community

Sun	Full Sun, Partial Sun, Shade
Orientation	North, East
Soil Texture	Sandy Loam to Silty Loam
Topography	Upland
Plant Community	Forest
Succession	Intermediate
Origin	MSA Zone 1, MSA Zone 2, MSA Zone 3, MSA Zone 4, Minnesota, North America

Soils

Salt Spray Tolerance	Sensitive
Soil Salt Tolerance	Sensitive
Compaction Tolerance	Intolerant
Water Table	12 Inches
Drainage	Poor, Excessive, Moderate
Flood Tolerance	
Drought Tolerance	Sensitive
Moisture Regime	Dry, Moist, Wet
pH	4.0 through 7.3
Windbreak Group	

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Planting Ease

Spring Bareroot	Difficult
Fall Bareroot	Difficult
Spring Container	Moderate
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	Sensitive
Sulfur Dioxide	Tolerant
Ozone Tolerance	
Hydrogen Flouride	Moderate
Nitrogen Oxide	Sensitive

Pests/Problems

Allergens	males 8, females 8
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

Also known as hornbeam. Has smooth fluted bark which gives the tree a muscular appearance. Use as a specimen or in clumps. Wood is tough to chop. Tolerates periodic flooding.



Bark



Fall

Blue Beech

Carpinus caroliniana



Flower



Immature



Leaf



Mass