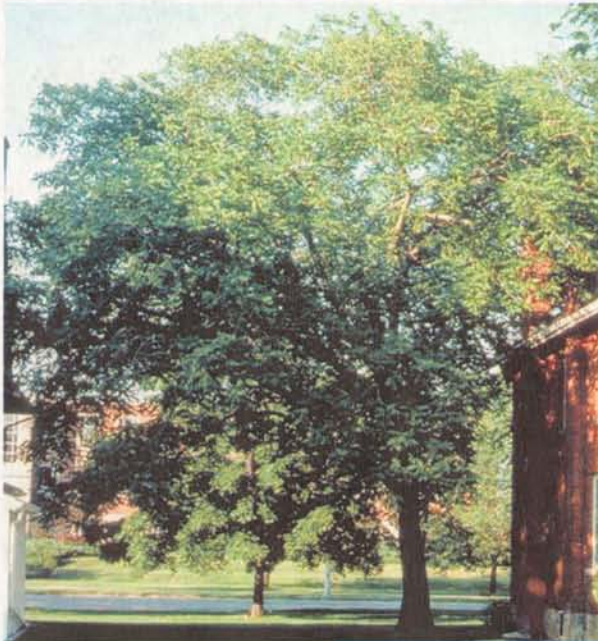


Butternut
Juglans cinerea

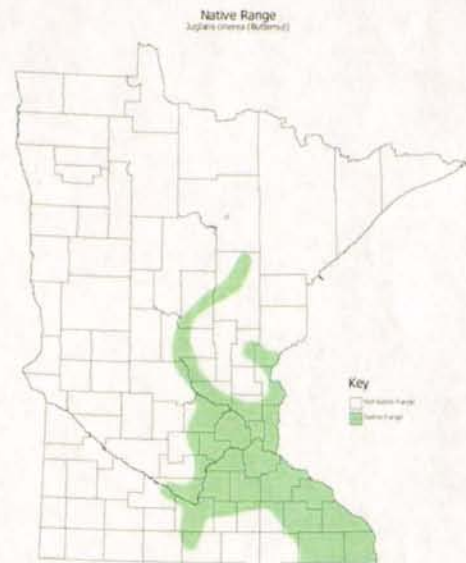


Type	Deciduous Tree
Height	50 - 75 Feet
Spread	50 - 75 Feet
Form	Irregular
Utilities	Incompatible
Growth Rate	Fast
Life Expectancy	Medium
USDA Zone	3 - 7
Root Type	Tap



Plant Community

Sun	Full Sun
Orientation	All Orientations
Soil Texture	Loamy Sand through Clay Loam
Soil Water Holding Capacity	Mesic
Topography	Upland or Lowland - stable water
Plant Community	Forest
Succession	Pioneer or Intermediate



Origin MSA Zone 1, MSA Zone 2, MSA Zone 6, Minnesota or North America



Butternut

Juglans cinerea

Flowers/Foliage/Fruit

Flower Color	Yellow
Flower Season	Spring
Fruit	Nut
Fruit Color	Tan
Fruit Season	Summer or Autumn

Summer Texture	Medium
Winter Texture	Coarse
Spring Foliage	Yellow Green
Summer Foliage	Yellow Green
Fall Foliage	Yellow
Winter Foliage	Not Applicable



Soils

Salt Spray	Sensitive
Soil Salt	
Compaction	Moderate
Water Table	12 Inches
Drainage	Moderate
Flood Tolerance	Moderate
Drought Tolerance	Sensitive
Moisture Regime	Moist or Wet
pH	6.6 through 8

Planting Ease

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

Windbreak Group WSG1, WSG1K or WSG3



Butternut

Juglans cinerea



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	Moderate
Nitrogen Oxide	

Pests/Problems

Allergens both sexes 9

Invasivness

Toxicity

Cold Injury Frequent

Storm Damage Frequent

Biological Control

Mechanical Control

Chemical Control

Comments

Grown mostly for edible nuts. Inner bark has cathartic properties & was used as an orange or yellow dye. Roots produce material toxic to many plants. Grows well in dry, rocky soils, especially limestone. □ Problem with fungal stem canker.

Miscellaneous

Wildlife Rating High

Insect Concerns Minor

Disease Concerns Minor

Wildlife Concerns