

Ironwood (American Hophornbeam)
Ostrya virginiana



Mature



Leaf

General Attributes

Type	Deciduous Tree
Height	25 - 45 Feet
Spread	20 - 35 Feet
Form	Conical
Utility Lines	Compatible
Growth Rate	Slow
Life Expectancy	Long
USDA Zone	3 - 9
Root Pattern	Deep Lateral

Flowers/Foliage/Fruits

Flower Color	Brown
Flower Season	Spring
Fruit	Samara
Fruit Color	Tan, Light Brown
Fruit Season	Summer
Summer Texture	Medium
Winter Texture	Medium
Spring Foliage	Green
Summer Foliage	Green
Fall Foliage	Yellow
Winter Foliage	Not Applicable

Plant Community

Sun	Partial Sun, Shade
Orientation	North, East
Soil Texture	Sandy Loam to Clay
Topography	Upland
Plant Community	Forest, Shaded Cliff
Succession	Climax
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	Sensitive
Soil Salt Tolerance	Sensitive
Compaction Tolerance	Intolerant
Water Table	24 Inches
Drainage	Excessive, Moderate
Flood Tolerance	
Drought Tolerance	Sensitive
Moisture Regime	Dry, Moist, Wet
pH	6.1 through 8.0
Windbreak Group	

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Planting Ease

Spring Bareroot	Difficult
Fall Bareroot	Difficult
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 7, females 7
Invasiveness	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

Good medium sized tree for street or lawn. Hop-like fruit adds interest in late summer. Bare root difficult to establish and require sweating, so best to plant balled and burlapped stock.



Bark



Dormant

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Fall



Fruit



Flower