

Swamp White Oak  
*Quercus bicolor*



Mature



Native Range

**General Attributes**

Type	Deciduous Tree
Height	35 - 70 Feet
Spread	25 - 50 Feet
Form	Rounded
Utility Lines	Incompatible
Growth Rate	Medium
Life Expectancy	Medium
USDA Zone	4 - 8
Root Pattern	Deep Lateral

**Flowers/Foliage/Fruits**

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

**Plant Community**

Sun	Full Sun, Partial Sun
Orientation	North, South, East, West
Soil Texture	Loam to Clay
Topography	Upland, Lowland (Flood Prone), Lowland (Stable Water)
Plant Community	Forest, Wooded Swamp
Succession	Pioneer, Intermediate
Origin	MSA Zone 1, MSA Zone 2, MSA Zone 4, MSA Zone 6, Minnesota, North America

**Soils**

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

# Swamp White Oak

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## Planting Ease

**Spring Bareroot** Easy

**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**

**Artificial Light**

**Sulfur Dioxide**

**Ozone Tolerance**

**Hydrogen Flouride**

**Nitrogen Oxide** Tolerant

## Pests/Problems

**Allergens** males 8, females 8

**Invasiveness** Non-Invasive

**Toxicity**

**Cold Injury** Moderately Susceptible

**Storm Damage** Not Susceptible

**Biological Control**

**Mechanical Control**

**Chemical Control**

## Miscellaneous

**Wildlife Rating** High

**Insect Concerns** Minor

**Disease Concern** Minor

**Wildlife Concerns**

## Comments

Good transplant success because of less developed taproot. Good boulevard or shade tree. Requires acid soil or iron chlorosis is observed. Bare root plants require sweating; not recommended for fall planting.



Bark



Fall

# Swamp White Oak

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Flower



Immature



Leaf