

# Pin Oak

*Quercus palustris*



<b>Type</b>	Deciduous Tree
<b>Height</b>	50 - 75 Feet
<b>Spread</b>	20 - 50 Feet
<b>Form</b>	Pyramidal
<b>Utilities</b>	Incompatible
<b>Growth Rate</b>	Moderate
<b>Life Expectancy</b>	Medium
<b>USDA Zone</b>	4 - 8
<b>Root Type</b>	Tap

## Plant Community

<b>Sun</b>	Full Sun
<b>Orientation</b>	All Orientations
<b>Soil Texture</b>	Sandy Loam through Clay
<b>Soil Water Holding Capacity</b>	Mesic or Hydric
<b>Topography</b>	Upland, Lowland - stable water or Lowland - flood prone
<b>Plant Community</b>	Forest
<b>Succession</b>	Climax

**Origin** North America

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## Flowers/Foliage/Fruit

<b>Flower Color</b>	Yellow
<b>Flower Season</b>	Spring
<b>Fruit</b>	Nut
<b>Fruit Color</b>	Brown
<b>Fruit Season</b>	Autumn

<b>Summer Texture</b>	Medium
<b>Winter Texture</b>	Medium
<b>Spring Foliage</b>	Green
<b>Summer Foliage</b>	Green
<b>Fall Foliage</b>	Red
<b>Winter Foliage</b>	Bronze



## Soils

<b>Salt Spray</b>	Sensitive
<b>Soil Salt</b>	Moderate
<b>Compaction</b>	Tolerant
<b>Water Table</b>	24 Inches
<b>Drainage</b>	Moderate or Poor
<b>Flood Tolerance</b>	Tolerant
<b>Drought Tolerance</b>	Tolerant
<b>Moisture Regime</b>	Dry, Moist or Wet
<b>pH</b>	5.5 through 6.5

## Planting Ease

<b>Spring Bareroot</b>	Easy
<b>Fall Bareroot</b>	
<b>Spring Container</b>	Easy
<b>Fall Container</b>	Easy
<b>Spring Seed</b>	
<b>Fall Seed</b>	

**Windbreak Group**

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## Maintenance

<b>Formal</b>	Moderate
<b>Informal</b>	Low
<b>2, 4-D Tolerance</b>	Sensitive
<b>DicambaTolerance</b>	Sensitive
<b>PicloramTolerance</b>	Sensitive
<b>Clopyralid Tolerance</b>	
<b>Artificial Light</b>	
<b>Sulfur Dioxide</b>	Moderate
<b>Ozone Tolerance</b>	Moderate
<b>Hydrogen Flouride</b>	Moderate
<b>Nitrogen Oxide</b>	Tolerant

## Pests/Problems

**Allergens** both sexes 8

**Invasivness**

**Toxicity**

**Cold Injury** Frequent

**Storm Damage** Infrequent

**Biological Control**

**Mechanical Control**

**Chemical Control**

## Miscellaneous

**Wildlife Rating** High

**Insect Concerns** Minor

**Disease Concerns** Major

**Wildlife Concerns**

## Comments

Widely planted oak. Iron chlorosis seen on high pH soils. Bare root plants require sweating; not recommended for fall planting. Transplants easier than most oaks. Tolerant of sulfur dioxide; somewhat tolerant of city conditions. Leaves persist.