

Scientific Name: *Quercus phellos*

Common Name: Willow Oak

Environmental Conditions:

Hardiness Zone: 6a

Soil Moisture:

VERY WET			VERY DRY								
occasionally saturated or very wet soil			consistently moist, well drained soil			occasional periods of dry soil			prolonged periods of dry soil		
2	3	4	5	6	7	8	9	10	11	12	

Sun/Shade: full sun

Salt: unknown

pH: ≤ 7.5 (iron chlorosis in high pH soils)

Other: specify northern seed source if needed

Insect/Disease Factors: susceptible to trunk borers, scale, and oak wilt, although rarely serious or limiting, resistant to anthracnose

Growth Characteristics:

Height: 40'-60' (can reach 100'+ in ideal conditions)

Width: 30'-60'

Form/Habit: pyramidal in youth, oval to round with age, dense crown, lower branches sometimes descending/pendulous

Rate: medium

Ornamental Characteristics:

Flower: pale yellow-green catkins, spring as leaves emerge

Fruit: acorn, small

Seasonal Foliage Color: light green in spring, dark green in summer (if soil has appropriate pH), color variable in fall (brown, yellow, bronze-orange, russet-red)

Bark: gray-brown, becoming lightly ridged and furrowed with age

Other: leaves persist throughout winter

Transplant Issues: best transplanted B&B

Management Issues: acorns may be a litter problem certain years, descending/pendulous lower branches may require removal where clearance is needed

Suggested Uses: wide street tree lawns/pits or parks preferred due to size

Cultivars: none known

