

Scientific Name: *Quercus robur*

Common Name: English Oak

Environmental Conditions:

Hardiness Zone: 5b

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: some observed tolerance

pH: ≤ 8.2

Insect/Disease Factors: powdery mildew is a serious problem, **Attention!**, **Crimson Spire™**, **Regal Prince®**, **Rosehill®**, **Skymaster™**, and **Skyrocket™** show varying levels of resistance

Growth Characteristics:

Height: 40'-60' (can reach 75'-100'+)

Width: 40'-60'

Form/Habit: broadly rounded, open

Rate: slow to medium

Ornamental Characteristics:

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

Fruit: acorn

Seasonal Foliage Color: dark green to blue-green in summer, brown in fall

Bark: grayish black, deeply furrowed

Transplant Issues: moderately difficult to transplant bare root, better success in transplanting bare root in fall, do not attempt to transplant > 2" caliper trees bare root, best transplanted B&B

Management Issues: acorns may be a litter problem certain years

Suggested Uses: wide street tree lawns/pits or parks preferred due to size, suitable for CU-Structural Soil™

Cultivars: **Attention!** ('DTR 105', columnar form, dense, 15' wide, dark green foliage, bronze fall color, good mildew resistance), **Crimson Spire™** ('Crimschmidt', *Q. alba* x *Q. robur*, columnar form, 15' wide, faster growing, dark green mildew resistant foliage, reddish fall color), **Regal Prince®** ('Long', *Q. robur* x *Q. bicolor*, zone 4, columnar to narrow oval habit, 15'-20' wide, glossy bright green summer foliage, yellow fall color, highly mildew resistant), **Rosehill®** ('Asjes', *Q. robur* x *Q. bicolor*, zone 4, narrow oval habit, 20' wide, glossy pure green summer foliage, yellow fall color, good mildew resistance), **Skymaster™** ('Pyramich', narrow when young, pyramidal with age, 25'-30' wide, strong central leader, good branching angles, reportedly mildew resistant), **Skyrocket™** (uniform columnar habit, 15' wide, leafs out early, yellow-brown fall color, reportedly moderately mildew resistant)

* 'Fastigiata' (columnar form, 15'-20' wide, not recommended due to variability from seed propagation, resulting in potential iron chlorosis in high pH soils and powdery mildew susceptibility)

