

ZONING

390 Attachment 3

Town of Wrentham

Approved Shade Tree List
[Amended 6-6-2022 ATM by Art. 15]

Botanical Name COMMON NAME	Height To	Growth	Roots	Remarks
35-FOOT-DIAMETER TREES (canopy)				
Shading Calculations: 100% = 962 s.f., 75% = 722 s.f., 50% = 481 s.f., 25% = 240 s.f.				
Celtis occidentalis COMMON HACKBERRY	50 feet	Moderate	Deep	Leaf spot, wind-tolerant, soil-adaptable
Liriodendron Tulipifere TULIP TREE	70 feet	Fast	Shallow	Deciduous, spring blooms, fall color, verticillium wilt
Platanus acerifolia ‘Yarwood’, ‘Bloodgood’, x hispanica ‘Columbia’ LONDON PLANE TREE	70 feet	Fast	Shallow	Deciduous, red spider, powdery mildew, anthracnose, smog-tolerant
Quercus coccinea SCARLET OAK	60 feet	Fast	Deep	Deciduous
Quercus macrocarpa BUR OAK	50 feet	Moderate	Deep	Deciduous litters
Quercus Palustris PIN OAK	70 feet	Fast	Shallow	Deciduous, fall color, dense shade, tolerates heat, air pollution, does not tolerate alkaline soils, leaf scorch
Quercus rubra RED OAK	60 feet	Moderate	Deep	Deciduous, avoid clay soils
30-FOOT-DIAMETER TREES (canopy)				
Shading Calculations: 100% = 706 s.f., 75% = 530 s.f., 50% = 354 s.f., 25% = 177 s.f.				
Acer fremanii ‘Autumn Blaze’ AUTUMN BLAZE MAPLE	50 feet	Moderate	Deep	Deciduous, fall color, moderate irrigation
Acer rubrum ‘October Glory’ OCTOBER GLORY RED MAPLE	50 feet	Moderate	Medium	Deciduous, deep watering to keep roots down
Ginkgo biloba deciduous MAIDENHAIR TREE	40 feet	Slow	Deep	Gawky when young, use male tree only
Quercus shumardii SHUMARD RED OAK	70 feet	Moderate	Medium	Deciduous, more drought- tolerant than other red oaks

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Tilia cordata LITTLE LEAF LINDEN	40 feet	Slow to Moderate	Deep	Deciduous, aphids
Ulmus Americana, 'Delaware #2', 'Jefferson', 'Princeton', 'Valley Forge'	40 feet	Fast	Medium	Deciduous, moderate irrigation, disease-resistant
Ulmus parvifolia 'Athena', 'Allee' ATHENA, ALLEE CHINESE ELM	40 feet	Fast	Medium	Deciduous, moderate irrigation, frequent pruning
Zelkova serrata 'Green Vase' GREEN VASE ZELKOVA	50 feet	Moderate	Medium	Deciduous, drought- tolerant
Tilia platyphyllos 'Fastigata' BIG LEAF LINDEN	50 feet	Moderate	Deep	Pollution-tolerant, adaptable, some insects
Tilia tomentosa 'Sterling', 'Sashazam' SILVER LINDEN	40 feet	Fast	Deep	Pollution-tolerant, adaptable, some insects
25-FOOT-DIAMETER TREES (canopy)				
Shading Calculations: 100% = 491 s.f., 75% = 368 s.f., 50% = 246 s.f., 25% = 123 s.f.				
Carpinus betulus EUROPEAN HORNBEAN	40 feet	Moderate	Medium	Deciduous, densely pyramidal, availability problems
Laurus nobilis SWEET BAY	30 feet	Slow	Deep	Evergreen, good drainage, drought-tolerant
Nyssa sylvatica TUPELO OR SOUR GUM	40 feet	Slow	Deep	Deciduous, fall color, tolerates poor drainage
Gymnocladus diokus kentucky COFFEE TREE	50 feet	Slow to Medium	Deep	Adaptable, drought- tolerant, pollution-tolerant
Gleditsia triacanthus 'Halka', 'Skyline', 'Shademaster' HONEY LOCUST	50 feet	Fast	Deep	Drought- and pollution- tolerant, light shade for turf
Betula nigra 'Heritage' RIVER BIRCH	40 feet	Medium to Fast	Medium	Light shade for turf
20-FOOT-DIAMETER TREES (canopy)				
Shading Calculations: 100% = 314 s.f., 75% = 236 s.f., 50% = 157 s.f., 25% = 79 s.f.				
Acer buergerianum TRIDENT MAPLE	25 feet	Moderate	Shallow	Deciduous
Acer campestre HEDGE MAPLE	30 feet	Slow	Shallow	Deciduous
Cercis canadensis EASTERN REDBUD	35 feet	Moderate	Medium	Deciduous, moderate irrigation

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Sophora japonica 'Regent' JAPANESE PAGODA	40 feet	Medium		

Note: Other tree species may be considered on a case-by-case basis, subject to approval of the Planning Board.