

| Botanical Name | Common Name | Mature Height | Mature Spread | Growth Habit | Spacing Category | Electric Line Offset | Soil Moisture | Drought Tolerance | Wind Resistance | Notes |
|----------------|-------------|---------------|---------------|--------------|------------------|----------------------|---------------|-------------------|-----------------|-------|
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Conspicuous Flowers



Edible Fruit or Nuts



NATIVE CANOPY TREES



| | | | | | | | | | | |
|--------------------------------|-----------------------|-----------|---------|----------------------|---|-----|---------------------|--------|-----------|---|
| <i>Acer rubrum</i> | Red Maple | 30'-60' | 40' | Upright | B | 15' | Wet or Dry | Medium | Poor | Deciduous; red fall foliage, preferred cultivars Florida Flame and Summer Red. |
| <i>Betula nigra</i> | River Birch | 40'-50' | 25'-40' | Upright, angular | B | 15' | Wet or Moderate | Low | Moderate | Deciduous; yellow fall foliage; distinctive bark; good wildlife value; needs acidic soil. |
| <i>Carya glabra</i> | Pignut Hickory | 60'-80' | 20'-30' | Upright | A | 20' | Well-drained | High | Moderate | Deciduous; edible nut; gold fall foliage.  |
| <i>Carya ovata</i> | Shag Bark | 60'-80' | 25'-35' | Upright | A | 20' | Well-drained | High | Moderate | Deciduous; may be the best ornamental hickory due to open branching habit and shaggy bark. |
| <i>Celtis laevigata</i> | Hackberry, Sugarberry | 50'-70' | 50'-70' | Rounded Vase | A | 20' | Varied | Low | Moderate | Deciduous; food source for birds; tolerates root disturbance, good parking lot & street tree. Fast grower. Edible nuts.  |
| <i>Fraxinus caroliniana</i> | Carolina Ash | 40' | 20' | Rounded Narrow | A | 20' | Moist to Wet | Medium | Poor | Deciduous; multi-trunked. |
| <i>Fraxinus pennsylvanica</i> | Green Ash | 60'-70' | 40'-45' | Upright, oval | A | 20' | Varied | Medium | Poor | Deciduous; abundant seed set; seedless cultivars are available; rapidly growing tree; large surface roots can develop. |
| <i>Liquidambar styraciflua</i> | Sweetgum | 60'-75' | 30'-50' | Upright | A | 20' | Moist, Well-drained | High | Moderate | Deciduous; red fall foliage; spiny burrs a problem when tree overhangs pedestrian areas (fruitless cv. 'Rotundiloba' may avoid this problem); aggressive surface roots. |
| <i>Liriodendron tulipifera</i> | Tulip Tree | 80'-120' | 25'-40' | Pyramidal | A | 20' | Moist, Well-drained | Medium | Moderate | Deciduous; yellow-orange flower.  |
| <i>Magnolia grandiflora</i> | Southern Magnolia | 60'-80' | 30'-40' | Upright, pyramidal | A | 20' | Varied | Medium | Excellent | Evergreen; large, white, fragrant flowers in late spring. Cultivars Bracken's Brown Beauty, D. D. Blanchard, Chloe, Claudia Wanamaker. |
| <i>Nyssa sylvatica</i> | Black Gum | 65'-75' | 25'-35' | Pyramidal to Oval | B | 15' | Moist to Wet | High | Moderate | Also known as BlackTupelo & Sour Gum; deciduous; fall color.  |
| <i>Pinus clausa</i> | Sand Pine | 60' - 80' | 15'-40' | Pyramidal | B | 15' | Well-drained | High | Poor | Evergreen. Sand pines tend to lean, use with caution near structures. Fire resistant. |
| <i>Pinus ellioti</i> | Slash Pine | 60'-100' | 30'-60' | Upright, open | B | 15' | Varied | High | Moderate | Evergreen; long needles; lower limbs shed with age. |
| <i>Pinus palustris</i> | Longleaf Pine | 60'-80' | 30'-40' | Upright, irregular | B | 15' | Varied | High | Moderate | Evergreen. |
| <i>Platanus occidentalis</i> | Sycamore | 75'-90' | 60'-70' | Pyramidal to rounded | A | 20' | Varied | Medium | Moderate | Deciduous; prone to leaf scorch, lace bugs and anthracnose problems; aggressive surface roots. Not recommended in constricted urban conditions. |

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| <i>Quercus geminata</i> | Sand Live Oak | 30' - 90' | 30'-60' | Spreading | B | 15' | Well drained, sandy | High | Excellent | Semi-deciduous. Grows smaller, more upright and open-crowned than <i>Q. virginiana</i> . Named for habit of bearing acorns in pairs and for its sandy habitat. Varies in height, 20 – 30' in a coastal or scrub habitat and 30-90' inland. | |
| <i>Quercus hemispherica</i> | Laurel Oak | 65'-100' | 40' | Upright | A | 20' | Well-drained | Medium | Poor | Prone to heart rot; good wildlife value. | |
| <i>Quercus laevis</i> | Turkey Oak | 20'-30' | 15'-20' | Upright | B | 15' | Well-drained, sandy | High | Excellent | Deciduous; fall color. | |
| <i>Quercus michauxii</i> | Swamp Chestnut | 60'-80' | 30'-50' | Narrow rounded | A | 20' | Moist | Low | Excellent | Deciduous; fall color. | |
| <i>Quercus nuttallii</i> | Nuttall Oak | 60'-80' | 40'-50' | Upright | A | 20' | Varied | Medium | Moderate | Similar in nature to the Shumard Oak, the Nuttall Oak grows faster and is well suited for wet sites. | |
| <i>Quercus shumardii</i> | Shumard Oak | 60'-80' | 40'-50' | Upright | A | 20' | Varied | High | Moderate | Deciduous; fall color; good Laurel Oak substitute; fast grower; tolerates high pH. | |
| <i>Quercus virginiana</i> | Live Oak | 60'-80' | 60'-120' | Spreading | A | 20' | Varied | High | Excellent | Semi-deciduous; spreading oak, durable; life span into centuries; good street tree; disease resistant. Cultivars Cathedral and High Rise. | |
| <i>Taxodium ascendens</i> | Pond Cypress | 60'-80' | 15'-30' | Upright | B | 15' | Dry to Wet | High | Excellent | Deciduous; wildlife value. | |
| <i>Taxodium distichum</i> | Bald Cypress | 60'-80' | 15'-30' | Upright | B | 15' | Dry to Wet | High | Excellent | Deciduous; wildlife value. | |
| <i>Ulmus alata</i> | Winged Elm | 40'-70' | 30'-40' | Rounded to Vase | A | 20' | Dry to Wet | High | Moderate | Deciduous; distinctive winged characteristic of bark. Wildlife value, good nesting tree. | |
| NON-NATIVE CANOPY TREES | | | | | | | | | | | |
| <i>Carya illinoensis</i> | Pecan | 60'-100' | 40'-60' | Broad, oval | A | 20' | Moist to well-drained | High | Moderate | Deciduous; edible nut; long lived. |  |
| <i>Cupressus sempervirens</i> | Italian Cypress | 40'-60' | 5'-15' | Columnar | C | 10' | Well-drained | High | Poor | Evergreen; very prone to mites and canker. | |
| <i>Ginkgo biloba</i> | Ginkgo | 50'-60' | 30'-60' | Irregular, spreading | A | 20' | Dry to Moist | High | Excellent | Deciduous; species is 150-million years old yet extinct in the wild; pest free; yellow fall foliage. | |
| <i>Liquidambar formosana</i> | Oriental Sweetgum Formosa | 40'-60' | 30'-45' | Pyramidal to rounded | A | 20' | Well-drained | Medium | Moderate | Deciduous; red, yellow fall foliage; AKA Formosan Gum; 3 lobed leaf. | |
| <i>Salix alba</i> | White Willow | 45'-70' | 45'-70' | Rounded, Upright | B | 15' | Moist to Wet | Medium | Poor | Semi-deciduous; graceful form; aggressive roots; salt tolerant fast grower but short life span. | |
| <i>Ulmus parvifolia</i> "Allee" | Allee Elm | 40'-50' | 35'-50' | Upright, oval to vase | A | 20' | Well-drained | High | Poor | Deciduous; distinct exfoliating bark (lace bark), resistant to Dutch Elm Disease; other varieties are Drake and Bosque. | |

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NATIVE UNDERSTORY TREES 

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|-------------------------------|-------------------|---------|---------|--------------------|---|------|--------------|-------------|------------------|---|---|---|
| <i>Amelanchier arborea</i> | Serviceberry | 10'-25' | 15'-20' | Round, upright | C | None | Well-drained | Medium | Moderate | Good for naturalistic plantings. | | |
| <i>Asimina triloba</i> | Paw Paw | 15'-20' | 15'-20' | Round to irregular | C | None | Well-drained | High | Moderate | Good for naturalistic plantings and slope stabilization. | | |
| <i>Carpinus caroliniana</i> | American Hornbeam | 20'-40' | 20'-40' | Upright, oval | B | 15' | Moist to Wet | Medium | Excellent | Deciduous; yellow to red fall foliage; will not tolerate alkaline soil. | | |
| <i>Cercis Canadensis</i> | Redbud | 20'-30' | 15'-20' | Upright, oval | C | 10' | Moist to Dry | High | Poor | Deciduous; showy magenta flowers in early spring; yellow fall color. |  | |
| <i>Chionanthus virginicus</i> | Fringetree | 10'-20' | 10'-15' | Rounded | C | None | Well-Drained | Medium | Moderate | Deciduous; showy, white, fragrant flowers in early spring; wildlife value. |  | |
| <i>Cornus florida</i> | Flowering Dogwood | 20'-30' | 15'-25' | Rounded | B | 15' | Well-Drained | Medium | Excellent | Deciduous; showy white flowers in early spring; "Weaver" best for Central Florida. |  | |
| <i>Crataegus marshalli</i> | Parsley Hawthorn | 15'-25' | 10'-15' | Upright vase | C | None | Moist to Wet | High | Moderate | Edible fruit; wildlife value; ornamental parsley like foliage. |  |  |
| <i>Crataegus opaca</i> | Mayhaw | 15'-30' | 15' | Oval | C | 10' | Moist to Wet | High | Moderate | Edible fruit; deciduous; wildlife value; densest of all Crataegus species. |  |  |
| <i>Diospyros virginiana</i> | Persimmon | 30' | 20'-25' | Rounded | C | 10' | Moist to Wet | High | Excellent | Deciduous; edible fruit after first year; good wildlife value; fruit attracts mammals and may cause messy litter. | |  |
| <i>Gordonia lasianthus</i> | Loblolly Bay | 30'-40' | 10'-20' | Narrow, conical | B | 15' | Moist to Wet | Low | Excellent | Evergreen; white fragrant flowers in late spring; grows best in partial shade (understory and edge of forest tree). |  | |
| <i>Halesia diptera</i> | Silverbell | 20'-30' | 10'-20' | Pyramidal vase | C | 10' | Well-drained | Low | Moderate | Container or above-ground planter; patio or deck; specimen; understory street tree. | | |
| <i>Ilex cassine</i> | Dahoon Holly | 25'-30' | 10'-15' | Upright, dense | C | 10' | Varied | Medium | Excellent | Evergreen; red berries; wildlife value. | | |
| <i>Ilex decidua</i> | Possum Haw | 10'-15' | 10'-15' | Round Vase | C | None | Varied | Medium | Moderate | Deciduous; stabilizes banks; patio tree. | | |
| <i>Ilex vomitoria</i> | Yaupon Holly | 15'-20' | 15'-20' | Rounded vase | C | None | Varied | High | Excellent | Evergreen; very adaptable to sites and pH; 'Pendula' is weeping form. | | |

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| <i>Juniperus silicicola</i> | Southern Red Cedar | 30'-40' | 20'-30' | Conical to open | B | 15' | Varied | High | Moderate | Evergreen; fine needles, dense foliage, fast growth, good buffer plant; very adaptable; wildlife value. |
| <i>Juniperus virginiana</i> | Eastern Red Cedar | 40'-50' | 10'-25' | Oval to pyramidal | B | 15' | Varied | High | Moderate | Evergreen; windbreak and screen; wildlife value. |
| <i>Magnolia grandiflora</i> x "Little Gem" | Little Gem | 20'-40' | 15'-20' | Upright, Pyramidal | C | 10' | Well-drained | Medium | Excellent | Evergreen; large, white, fragrant flowers in late spring.  |
| <i>Magnolia virginiana</i> | Sweetbay | 40'-50' | 15'-25' | Columnar or rounded vase | B | 15' | Moist to Wet | Medium | Excellent | Semi-evergreen; white showy fragrant flowers in summer.  |
| <i>Malus angustifolia</i> | Southern Crabapple | 20'-25' | 20'-25' | Rounded | C | 10' | Moist to Dry | High | Moderate | Deciduous; fragrant pink flowers in spring; wildlife value. |
| <i>Osmanthus americanus</i> | Devilwood | 15'-25' | 10'-15' | Vase | C | None | Varied | Medium | Moderate | Fragrant spring bloom: good hammock and street tree.  |
| <i>Ostrya virginiana</i> | Eastern Hophornbeam | 30'-40' | 25'-35' | Oval, rounded | B | 15' | Varied | High | Excellent | Deciduous; wildlife value; good form and attractive orange to grayish brown bark; fall color; tolerant of poor soil. |
| <i>Oxydendron arboreum</i> | Sourwood | 25'-35' | 25'-35' | Pyramidal | B | 15' | Varied | Medium | Moderate | Deciduous; fragrant white raceme flowers in spring and summer; specimen tree with branches that droop toward the ground forming a graceful outline.  |
| <i>Prunus angustifolia</i> | Chickasaw Plum | 20'-25' | 10'-20' | Rounded | C | None | Varied not Wet | High | Moderate | Early spring bloom; white showy flowers; deciduous tree; salt tolerant; wildlife value; can be weedy.  |
| <i>Prunus umbellata</i> | Flatwoods Plum | 15'-20' | 15'-20' | Rounded | C | None | Varied not Wet | Medium | Excellent | Deciduous tree; white showy flowers late winter to early spring; low salt tolerance; wildlife value.  |
| <i>Quercus chapmanii</i> | Chapman Oak | 20' | 20' | Rounded | B | None | Varied | High | Excellent | Shrubby oak; best on sandhill and coastal area. |
| <i>Quercus incana</i> | Bluejack Oak | 20' | 30' | Rounded | B | None | Varied | High | Excellent | Attractive blue green foliage. |
| <i>Quercus myrtifolia</i> | Myrtle Oak | 15'-35' | 15'-30' | Rounded | C | 10' | Varied | High | Excellent | Shrubby oak; oak scrub, pine flatwoods to sandy ridge; short lived; wildlife value. |
| <i>Quercus stellata</i> | Sand Post Oak | 20'-40' | 15'-25' | Irregular | B | 15' | Varied | High | Excellent | Slower growing of the white oaks; ultimate drought resistant tree; gnarled 'hangmans' tree in xeric settings. |
| <i>Rhamnus caroliniana</i> | Buckthorn | 15'-20' | 10'-15' | Oval, upright | C | None | Varied | Medium | Moderate | Colorful fruit; can be weedy; wildlife value. |
| <i>Salix caroliniana</i> | Coastal Plain Willow | 30' | 20'-25' | Round, spreading | B | 15' | Wet | Medium | Poor | Small deciduous or shrub-like tree; efficient for erosion control along lakes and streams. |

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Conspicuous Flowers



Edible Fruit or Nuts



NON-NATIVE UNDERSTORY TREES

| | | | | | | | | | | |
|-------------------------------------|---------------------------|---------|---------|---------------------|---|------|--------------|-------------|------------------|---|
| <i>Citrus spp.</i> | Orange, Lemon, Grapefruit | 15' | 20' | Spreading | B | None | Well-Drained | Medium | Moderate | Evergreen; many varieties; fragrant white blossoms in spring; prone to 'greening' disease. Some species being evaluated for invasiveness. |
| <i>Cupressocyparis leylandii</i> | Leyland Cypress | 25'-35' | 15'-25' | Columnar | C | 10' | Varied | Medium | Poor | Evergreen; very prone to canker. |
| <i>Diospyros kaki</i> | Japanese Persimmon | 20'-30' | 20' | Round, upright | C | 10' | Varied | Medium | Moderate | Excellent fruiting tree for ornamental use and makes an excellent specimen. |
| <i>Elaeocarpus decipiens</i> | Japanese Blueberry | 25'-35' | 10'-15' | Upright, narrow | B | 15' | Well drained | Medium | Moderate | Excellent screening or buffer, good street tree. Small white flowers with small deep blue fruit. Leaves have bronze-red color on new growth; good replacement for East Palatka holly. |
| <i>Eriobotrya japonica</i> | Loquat | 20-30' | 30'-35' | Round, vase | B | 15' | Varied | Medium | Moderate | Evergreen; edible fruit. |
| <i>Ilex x attenuata 'Eagleston'</i> | Eagleston Holly | 20'-25' | 6'-10' | Columnar, Pyramidal | C | None | Moist | Medium | Excellent | Evergreen; good substitute for 'East Palatka' Holly. |
| <i>Lagerstroemia indica</i> | Crape Myrtle | 10'-30' | 15'-25' | Vase | C | None | Varied | High | Excellent | Deciduous; many cultivars available; select by mature height before color. |
| <i>Ligustrum japonicum</i> | Waxleaf Privet | 10'-15' | 15'-20' | Oval, round | B | None | Varied | High | Moderate | Specimen tree in landscape. |
| <i>Magnolia soulangeana</i> | Saucer Magnolia | 10'-15' | 10' | Vase | C | 10' | Varied | Low | Poor | Specimen; needs protection from afternoon sun; prone to scale. |
| <i>Magnolia stellata</i> | Star Magnolia | 10'-15' | 10' | Vase | C | None | Varied | Medium | Poor | Specimen; needs protection from afternoon sun; prone to scale. |
| <i>Parkinsonia aculeata</i> | Jerusalem Thorn | 15'-20' | 20'-25' | Vase, spreading | B | None | Varied | High | Excellent | Needle-like leaves; yellow flowers; good for xeric site. |
| <i>Prunus campanulata</i> | Taiwan Flowering Cherry | 20'-30' | 15'-20' | Rounded, vase | B | 15' | Varied | Medium | Moderate | Best flowering cherry for deep south; showy pink flowers; prone to shot hole fungus in summer. |
| <i>Tabebuia spp.</i> | Trumpet tree | 25'-35' | 25'-35' | Oval, round | B | 15' | Varied | High | Poor | Deciduous; showy pink or yellow flowers in spring. |

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Conspicuous Flowers



Edible Fruit or Nuts



PALMS AND CYCADS

| | | | | | | | | | | |
|---|--|----------|-----------|-----------------------|---|-----|--------|--------|-----------|--|
| <i>Bismarkia nobilis</i> | Bismark Palm | 30-60' | 10' - 20' | Upright Palm | C | 10' | Varied | High | Excellent | Solitary massive palm with blue-green foliage to bronze-green with a slight red edge. Drought tolerant with no major pests. |
| <i>Butia capitata</i> | Pindo Palm | 15'-25' | 10'-15' | Upright Palm | D | 8' | Varied | High | Excellent | Graceful green./blue to silver foliage; fruit can be made into jelly. |
| <i>Chamaerops humulis</i> | European Fan Palm | 10'-15' | 10'-15' | Cluster Palm | D | 8' | Varied | High | Excellent | Clustering palm; palmate with deeply dissect fronds; green, blue-green or silvery green fronds; slow growing. |
| <i>Cycas circinalis</i> | Queen Sago | 10'-20' | 10'-15' | Palm-like | D | 8' | Varied | High | Moderate | Graceful fronds; not cold hardy. |
| <i>Livistonia chinensis</i> | Chinese Fan Palm | 30'-50' | 5'-10' | Upright Palm | D | 8' | Varied | High | Excellent | Slow growing; good alternative to <i>Washingtonia robusta</i> . |
| <i>Sabal causiarum</i> | Hat Palm | 50' | 10'-15' | Upright Palm | D | 8' | Varied | High | Excellent | Solitary , imposing palm with massive trunk. Drought tolerant. Pest problems are leaf hoppers and susceptible to ganoderma. |
| <i>Sabal palmetto</i>  | Cabbage Palm | 30'-80' | 10'-15' | Upright Palm | D | 8' | Varied | High | Excellent | State tree of Florida; heart of palm is edible, known as "swamp cabbage." Native. |
| <i>Phoenix canariensis</i> | Canary Island Date Palm | 40'-60' | 15'-25' | Upright, long fronds | C | 10' | Varied | High | Excellent | Large, stately palm; needs ample room; heavy feeder. Use with caution; susceptible to disease. |
| <i>Phoenix reclinata</i> | Senegal Date Palm | 25'-30' | 10'-20' | Upright, long fronds | C | 10' | Varied | High | Excellent | Multi-trunk palm with graceful, arching fronds. |
| <i>Phoenix dactylifera</i> | Date Palm | 60'-100' | 15' | Upright, long fronds | C | 10' | Varied | High | Excellent | Edible fruit. Use with caution; susceptible to disease. 'Medjool' is preferred.  |
| <i>Trachycarpus fortunei</i> | Windmill Palm | 20'-40' | 5'-10' | Upright, short fronds | D | 8' | Varied | Medium | Moderate | Dense fibrous trunk with fan shaped fronds; slow grower. |
| <i>Washingtonia filifera</i> | Desert fan palm California fan & Petticoat palm | 50' | 10'-15' | Upright Palm | C | 10' | Varied | High | Excellent | Solitary robust palm unlike the Mexican Washintonia it does not get as tall but the trunk is much thicker. No major pest problems but susceptible to Phytophthora bud rot. |