

**TREE COMMISSION
APPROVED TREE PLANTING LIST**

| Tree | | Right of Way | Parks | ¹⁴ DCPS | Height/ Spread | ¹ Plan Canopy Diameter | ² Foliage | ³ Light Required | ⁴ Soil Drainage | ⁵ Drought Tolerance | ⁶ Growth Rate | Soil Tolerance (pH) | ¹³ IFAS FL Friendly |
|-----------------------------|---|--------------|-------|--------------------|--------------------|---|----------------------|--------------------------------|-------------------------------|-----------------------------------|-----------------------------|----------------------------------|-----------------------------------|
| SMALL TREES | | | | | | | | | | | | | |
| American Hornbeam | Carpinus caroliniana | Y | Y | | 30-35'/ 25/30' | 20' | DECID | FS/PS | WD | HIGH | SLOW | (4.2-7.6) | Y |
| Ashe Magnolia | Magnolia macrophylla ssp. ashei | | Y | | 20' | 20' | DECID | PSH, SH | OW | MOD | MOD | (4.8-7.5) | |
| Eastern Redbud | Cercis canadensis | Y | Y | | 15-30'/ 15- 25' | 20' | DECID | FS, PSH | WD | HIGH | RAPID | (4.2-7.6) | Y |
| Flatwoods Plum | Prunus umbellata | Y | Y | | 12 – 20' | 20' | DECID | FS,PSH | WD | MOD | MOD | (4.8-7.5) | Y |
| Crape Myrtle | Lagerstroemia indica var. Natchez, Muskogee, or Tuskegee), Standard or Multi-trunk | Y | Y | Y | 15-20'/ 15- 25' | 18' | DECID | FS | WD | HIGH | MOD | (5.0-7.5) | Y |
| Hawthorn | Crataegus spp. | | Y | Y | 25' | 25' | DECID | FS,PSH | WD | HIGH | MOD | (4.8-7.5) | Y |
| Fringe Tree | Chionanthus virginicus | Y | Y | | 12-20'/ 10- 15' | 10' | DECID | FS, PSH, SH | WD | MOD | SLOW | (6.0-6.5) | Y |
| Little Gem Magnolia | Magnolia grandiflora 'Little Gem' | Y | Y | | 25-35'/ 8- 10' | 15' | E'GRN | FS, PSH, SH | AW, WD | MOD | SLOW | (4.5-5.0) tolerant to 7.5 | Y |
| ¹⁵ Yaupon Holly | Ilex vomitoria | Y | Y | Y | 15-25'/ 15- 20' | 15' | E'GRN | FS, PSH, SH | AW, WD | HIGH | SLOW | (4.5- 8.2) | Y |
| Wax-Leaf Ligustrum | Ligustrum japonicum | Y | Y | Y | 8-12'/ 15- 25' | 12' | E'GRN | FS, PSH | WD | MOD | MOD | (5.5-7.5) | Y |
| ^{9, 15} Wax Myrtle | Myrica cerifera | Y | Y | Y | 15-25'/ 20- 25' | 20' | E'GRN | FS, PSH, SH | W, WD | HIGH | RAPID | (5.5 -7.0) tolerant to 8.2 | |
| Walters Viburnum | Viburnum obovatum | Y | Y | | 8-25'/ 6- 12' | 10' | SEMI- E'GRN | FS, SH | W, OW | HIGH | MOD | (5.0-7.5) | Y |
| MEDIUM TREES | | | | | | | | | | | | | |
| Athena Elm | Ulmus parvifolia 'Emer l' | Y | Y | | 45'/ 50' | 30' | DECID | FS | OW, WD | MOD | MOD | (4.8-7.5) | |
| Bosque Elm | Ulmus parvifolia 'Bosque' | Y | Y | | 45'/ 50' | 30' | DECID | FS | OW, WD | MOD | MOD | (4.8-7.5) | |
| ¹² Drake Elm | Ulmus parvifolia 'Drake' | Y | Y | | 35-40'/ 35- 50' | 30' | DECID | FS, PSH | OW, WD | MOD | MOD | (4.8-7.5) | |

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| Dahoon Holly | Ilex cassine | Y | Y | Y | 20-30'/ 8-12' | 15' | E/GRN | FS, PSH | W, OW | MOD | SLOW | (3.5-6.5) | Y |
| Eagleston Holly | Ilex attenuata 'Eagleston' | Y | Y | Y | 30-45'/ 15-25' | 20' | E'GRN | FS, PSH | WD | MOD | MOD | (4.0-6.0) tolerant to 7.5 | |
| Japanese Blueberry Tree | Elaeocarpus decipiens | Y | Y | | 40'/ 40' | 20' | E'GRN | FS, PSH | WD | MOD | MOD | (4.0-6.0) tolerant to 7.5 | Y |
| Loquat | Eriobotrya japonica | | Y | | 20 - 30' | 30' | DECID | FS, PSH | WD | MOD | SLOW | (4.8-7.5) | Y |
| East Palatka Holly | Ilex attenuata 'East Palatka' | Y | Y | Y | 30-45'/ 15-25' | 20' | E'GRN | FS, PSH | WD | MOD | MOD | (4.0-6.0) tolerant to 7.5 | Y |
| Sand Pine | Pinus clausa | | Y | | 25 - 40' | 15 - 25' | E'GRN | FS, PSH | WD | HIGH | SLOW | (4.8-7.5) | Y |
| Sweetbay Magnolia | Magnolia virginiana | Y | Y | | 40 - 50' | 40' | DECID | FS,PSH | OW, WD | MOD | MOD | (4.8-7.5) | Y |
| ¹⁵ Southern Red Cedar | Juniperus silicola | Y | Y | | 30-40'/ 20-30' | 20' | E'GRN | FS, PSH | WD | HIGH | SLOW | (5.5-7.5) tolerant to 8.0 | Y |
| American Hophornbeam | Ostrya virginiana | Y | Y | | 30 - 40' | 25 - 30' | DECID | FS, PSH, SH | WD | MOD | MOD | (3.5-6.5) | Y |
| ⁸ River Birch | Betula nigra | Y | Y | Y | 40-50'/ 25-35' | 20' | DECID | FS, PSH | W, OW | LOW | RAPID | (4.0-6.5) tolerant to <4.0 | Y |
| ¹⁵ Winged Elm | Ulmus alata | Y | Y | | 40-50'/ 30-40' | 30' | DECID | FS, PSH | OW, WD | LOW | MOD | (5.0-7.0) tolerant to 8.0 | Y |
| ¹⁰ LARGE TREES | | | | | | | | | | | | | |
| Allee Elm | Ulmus parvifolia 'Emer II' | Y | Y | | 75'/ 60' | 30' | DECID | FS | OW, WD | MOD | MOD | (4.8-7.5) | |
| Bald Cypress | Taxodium distichum | Y | Y | Y | 60-80'/ 25-30' | 25' | DECID | FS, PSH | W, OW, WD | MOD | RAPID | (4.0 to 6.0), tolerant to 7.5 | Y |
| Hickory | Carya sp. | | Y | | 50 - 60' | 35' | DECID | FS, PSH | WD | MOD | SLOW | (4.8-7.5) | Y |

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| Blackgum | Nyssa sylvatica | Y | Y | | 75'/ 25-30' | 30' | DECID | FS, PSH, SH | W, OW, WD | HIGH | SLOW | (6.0-7.0) | Y |
| Catalpa | Catalpa bignonioides | | Y | Y | 60'/40-60' | 35' | DECID | FS, PSH | W, OW, WD | MOD | RAPID | (4.5-6.0) | |
| ^{7,15} Live Oak | Quercus virginiana | Y | Y | Y | 60-80'/ 60-120' | 50' | E'GRN | FS, PSH | OW, WD | HIGH | MOD | (4.5-6.5) tolerant to 8.0 | Y |
| Swamp Chestnut Oak | Quercus michauxii | Y | Y | Y | 60-70'/ 30-50' | 35' | DECID | FS, PSH | W, OW, WD | LOW | MOD | (4.5-6.0) | Y |
| Overcup Oak | Quercus lyrata | Y | Y | Y | 35-50'/ 30-50' | 35' | DECID | FS, PSH | W, OW, WD | LOW | MOD | (4.5-6.0) | Y |
| Laurel Oak | Quercus laurifolia | Y | Y | Y | 60'/40-60' | 35' | DECID | FS, PSH | W, OW, WD | MOD | RAPID | (4.5-6.0) | |
| Nuttall Oak | Quercus nuttallii | Y | Y | Y | 60-80'/ 35-50' | 35' | DECID | FS | OW, WD | LOW | MOD | (4.5-5.5) | Y |
| Shumard Oak | Quercus shumardii | Y | Y | Y | 80'/50-60' | 35' | DECID | FS, PSH | W, OW, WD | HIGH | RAPID | (4.5-5.5) | Y |
| Persimmon | Diospyros virginiana | | Y | | 30 - 60' | 30' | DECID | FS, PSH | WD | MOD | SLOW | (3.5-6.5) | |
| ⁸ Red Maple | Acer rubrum | Y | Y | Y | 60-75'/ 25-35' | 30' | DECID | PSH | W, OW | LOW | MOD | (5.4-7.1) | Y |
| Loblolly Bay | Gordonia lasianthus | | Y | | 70' | 20' | E'GRN | FS,PSH | W, OW, WD | MOD | MOD | (4.8-7.5) | Y |
| Leyland cypress | Curpressocyparis leylandii | Y | Y | | 30-40'/ 20-30' | 20' | E'GRN | FS, PSH | WD | HIGH | SLOW | (5.5-7.5) tolerant to 8.0 | Y |
| Slash Pine | Pinus elliottii | | Y | | 60-80'/ 30-40' | 20' | E'GRN | FS, PSH | OW, WD | HIGH | RAPID | (4.5-7.0) | Y |
| Long Leaf Pine | Pinus palustris | Y | Y | | 60-80'/ 30-40' | 20' | E'GRN | FS | WD | HIGH | MOD | (4.5-7.0) | Y |
| Southern Magnolia | Magnolia grandiflora | Y | Y | | 30-100'/ 20-40' | 30' | E'GRN | FS, PSH | OW, WD | MOD | MOD | (5.5-6.5) tolerant to 7.5 | Y |

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| Sweetgum | Liquidambar straciflua | Y | Y | Y | 60-75'/ 35-50' | 30' | DECID | FS, PSH | W, OW | LOW | MOD | (4.5-7.0) tolerant to 7.5 | Y |
| ¹⁵ Sycamore | Platanus occidentalis | Y | Y | | 75-90'/ 50-70' | 30' | DECID | FS | W, OW, WD | MOD | RAPID | (4.9-6.5),tolerant up to 8.0 | Y |
| Tulip Poplar | Liriodendron tulipifera | Y | Y | | 80-100'/ 30-50' | 30' | DECID | FS,PSH | OW, WD | MOD | RAPID | (4.5-6.5) tolerant up to 7.5 | Y |
| ⁸ Weeping Willow | Salix babylonica or alba | | Y | | 45-70'/4 5-70' | 30; | DECID | FS,PSH | OW, WD | MOD | RAPID | (4.5-7.5) | |
| PALMS | | | | | | | | | | | | | |
| ¹⁵ Washington Palm | Washingtonia robusta | Y | Y | | 60-100'/ 10-15' | 12' | E'GRN | FS, PSH | OW, WD | HIGH | RAPID | (5.5-7.5) tolerant up to 8.0 | Y |
| ¹⁵ Cabbage Palm | Sabal palmetto | Y | Y | Y | 40-50'/ 10-12' | 10' | E'GRN | FS | OW, WD | HIGH | MOD | (6.0-6.8) tolerant up to 8.0 | Y |
| Ribbon Palm | Livistona decipiens | Y | Y | | 30-50'/ 18-25' | 15' | E'GRN | FS | WD | HIGH | MOD | (5.5-7.5) | |

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LEGEND:

1 - Draw each tree symbol on the landscape plan to the diameter shown above to match the normal mature (20 year) canopy of each tree species. Do not overlap tree canopies of different species (ie, do not show the canopy circle of a sun loving crape myrtle overlapping the mature canopy circle of a live oak). However, tree canopy circles of the same species can overlap to create tree clusters or to create a solid, closely spaced row of trees. Also, new understory trees can be shown under existing shade trees if existing trees have high branching.

2 - Foliage: DECID = Deciduous, E'GRN = Evergreen

3 - Light Requirement: FS = Full Sun, PSH = Partial Shade (2-5 hrs. of sun or filtered sun), SH = Full Shade (<2 hrs. sun)

4 - Soil Drainage: W=Always Wet (soil saturated for more than several days during growing season), OW=occasionally Wet (Soil saturated for several days during several days of growing season), WD=Well Drained

5 - Drought Tolerance: HIGH=High (no watering required once well established), MOD= Moderate (occasional watering required during dry periods in growing season), LOW= Low (frequent watering required during dry periods of growing season)

6 - Growth Rate: SLOW=Slow (<1ft/ yr.), MOD=Moderate (1-2 ft/ yr.), FAST=Fast (>2ft/ yr.)

7 - Use Live Oak cultivars (Q. v. 'SDLN' ('Cathedral' Live Oak) or Q. v. 'QVTIA' ('Highrise' Live Oak)) in medians when a single row of oaks with uniform spacing is desired. Use 'Highrise' Oak where oaks are near overhead power lines. Use common live oak for informal groupings.

8 - Limit use of River Birch, Red Maple, and Weeping Willow to clusters around retention ponds and in areas of R.O.W. undisturbed by construction. Do not use in medians or within 20' of pavement. These trees don't do well in alkaline conditions generally found near pavement. Because River Birch and Willows have a short life span, use these tree sparingly. Generally, cluster with longer lived tree types.

9 - Use Wax Myrtle only in mass planting for visual screening and transition into natural areas.

10 - Provide 6'-8' minimum between Large Trees and pavement, curbs and other structures.

11 - Trees not on the above approved list may be considered for approval by the Tree Commission. (www.coj.net/departments/public-works/tree-commission)

12 - Because of weeping nature of Drake Elm, limit use to medians 30' wide or greater, measured from the edge of travel lane (i.e. two 1.5' curb & gutter & 27' grassed median) and where the tree can be set back 15' from the travel lane, if planted on the side of the street.

13 - The definition of Florida-Friendly Landscaping™ in Florida Statutes section 373.185 (adopted in 2009 in Senate Bill 2080) addresses "quality landscapes that conserve water, protect the environment, are adaptable to local conditions, and are drought tolerant. The principles of such landscaping include planting the right plant in the right place, efficient watering, appropriate fertilization, mulching, attraction of wildlife, responsible

14 - DCPS=Duval County Public Schools. When landscaping on Public Educational Facilities in Florida (including colleges and universities), please refer to State Requirements for Educational Facilities manual for a comprehensive description of planting standards at www.flrules.org.

15 - If planting area is likely contaminated with limerock or if the soil pH is tested above 7.5, then concentrate on trees shown in gray that are tolerant of alkaline soils.