

**TREE COMMISSION
APPROVED TREE PLANTING LIST**

Tree	Right of Way	Parks	DCPS ¹⁴	Height/Spread	¹ Plan Canopy Diameter	² Foilage	³ Light Required	⁴ Soil Drainage	⁵ Drought Tolerance	⁶ Growth Rate	Soil Tolerance (pH)	¹³ IFAS FL Friendly
SMALL TREES												
American Hornbeam <i>Carpinus caroliniana</i>	Y	Y		30-35'/ 25/30'	20'	DECID	FS/PS	WD	HIGH	SLOW	(4.2-7.6)	Y
Ashe Magnolia <i>Magnolia macrophylla ssp. ashei</i>		Y		20'	20'	DECID	PSH, SH	OW	MOD	MOD	(4.8-7.5)	
Eastern Redbud <i>Cercis canadensis</i>	Y	Y		15-30'/ 15-25'	20'	DECID	FS, PSH	WD	HIGH	RAPID	(4.2-7.6)	Y
Flatwoods Plum <i>Prunus umbellata</i>	Y	Y		12 – 20'	20'	DECID	FS,PSH	WD	MOD	MOD	(4.8-7.5)	Y
Crape Myrtle <i>Lagerstroemia indica var. Natchez, Muskogee, or Tuskegee), Standard or Multi-trunk</i>	Y	Y	Y	15-20'/ 15-25'	18'	DECID	FS	WD	HIGH	MOD	(5.0-7.5)	Y
Hawthorn <i>Crataegus spp.</i>		Y	Y	25'	25'	DECID	FS,PSH	WD	HIGH	MOD	(4.8-7.5)	Y
Fringe Tree <i>Chionanthus virginicus</i>	Y	Y		12-20'/ 10-15'	10'	DECID	FS, PSH, SH	WD	MOD	SLOW	(6.0-6.5)	Y
Little Gem Magnolia <i>Magnolia grandiflora 'Little Gem'</i>	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
Yaupon Holly <i>Ilex vomitoria</i>	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 <i>Ligustrum japonicum</i>	Y	Y	Y	8-12'/ 15-25'	12'	E'GRN	FS, PSH	WD	MOD	MOD	(5.5-7.5)	Y
⁸ Wax Myrtle <i>Myrica cerifera</i>	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 <i>Viburnum obovatum</i>	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 <i>Ulmus parvifolia 'Emer I'</i>	Y	Y		45'/ 50'	30'	DECID	FS	OW, WD	MOD	MOD	(4.8-7.5)	
Bosque Elm <i>Ulmus parvifolia 'Bosque'</i>	Y	Y		45'/ 50'	30'	DECID	FS	OW, WD	MOD	MOD	(4.8-7.5)	
¹² Drake Elm <i>Ulmus parvifolia 'Drake'</i>	Y	Y		35-40'/ 35-50'	30'	DECID	FS, PSH	OW, WD	MOD	MOD	(4.8-7.5)	
Dahoon Holly <i>Ilex cassine</i>	Y	Y	Y	20-30'/ 8-12'	15'	E'GRN	FS, PSH	W, OW	MOD	SLOW	(3.5-6.5)	Y
Eagleston Holly <i>Ilex attenuata 'Eagleston'</i>	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 <i>Elaeocarpus decipiens</i>	Y	Y		40'/ 40'	20'	E'GRN	FS, PSH	WD	MOD	MOD	(4.0-6.0) tolerant to 7.5	Y
Loquat <i>Eriobotrya japonica</i>		Y		20 - 30'	30'	DECID	FS, PSH	WD	MOD	SLOW	(4.8-7.5)	Y
East Palatka Holly <i>Ilex attenuata 'East Palatka'</i>	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 <i>Pinus clausa</i>		Y		25 – 40'	15 – 25'	E'GRN	FS, PSH	WD	HIGH	SLOW	(4.8-7.5)	Y
Sweetbay Magnolia <i>Magnolia virginiana</i>	Y	Y		40 - 50'	40'	DECID	FS,PSH	OW, WD	MOD	MOD	(4.8-7.5)	Y

**TREE COMMISSION
APPROVED TREE PLANTING LIST**

Tree	Right of Way	Parks	DCPS ¹⁴	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
Southern Red Cedar <i>Juniperus silicola</i>	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 <i>Ostrya virginiana</i>	Y	Y		30 – 40'	25 – 30'	DECID	FS, PSH, SH	WD	MOD	MOD	(3.5-6.5)	Y
⁸ River Birch <i>Betula nigra</i>	Y	Y	Y	40-50'/ 25-35'	20'	DECID	FS, PSH	W, OW	LOW	RAPID	(4.0-6.5) tolerant to <4.0	Y
Winged Elm <i>Ulmus alata</i>	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 <i>Ulmus parvifolia</i> 'Emer II'	Y	Y		75'/ 60'	30'	DECID	FS	OW, WD	MOD	MOD	(4.8-7.5)	
Bald Cypress <i>Taxodium distichum</i>	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 <i>Carya sp.</i>		Y		50 - 60'	35'	DECID	FS, PSH	WD	MOD	SLOW	(4.8-7.5)	Y
Blackgum <i>Nyssa sylvatica</i>	Y	Y		75'/ 25-30'	30'	DECID	FS, PSH, SH	W, OW, WD	HIGH	SLOW	(6.0-7.0)	Y
Catalpa <i>Catalpa bignonioides</i>		Y	Y	60'/40-60'	35'	DECID	FS, PSH	W, OW, WD	MOD	RAPID	(4.5-6.0)	
⁷ Live Oak <i>Quercus virginiana</i>	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 <i>Quercus michauxii</i>	Y	Y	Y	60-70'/ 30-50'	35'	DECID	FS, PSH	W, OW, WD	LOW	MOD	(4.5-6.0)	Y
Overcup Oak <i>Quercus lyrata</i>	Y	Y	Y	35-50'/ 30-50'	35'	DECID	FS, PSH	W, OW, WD	LOW	MOD	(4.5-6.0)	Y
Laurel Oak <i>Quercus laurifolia</i>	Y	Y	Y	60'/40-60'	35'	DECID	FS, PSH	W, OW, WD	MOD	RAPID	(4.5-6.0)	
Nuttall Oak <i>Quercus nuttallii</i>	Y	Y	Y	60-80'/ 35-50'	35'	DECID	FS	OW, WD	LOW	MOD	(4.5-5.5)	Y
Shumard Oak <i>Quercus shumardii</i>	Y	Y	Y	80'/50-60'	35'	DECID	FS, PSH	W, OW, WD	HIGH	RAPID	(4.5-5.5)	Y
Persimmon <i>Diospyros virginiana</i>		Y		30 - 60'	30'	DECID	FS, PSH	WD	MOD	SLOW	(3.5-6.5)	
⁸ Red Maple <i>Acer rubrum</i>	Y	Y	Y	60-75'/ 25-35'	30'	DECID	PSH	W, OW	LOW	MOD	(5.4-7.1)	Y
Loblolly Bay <i>Gordonia lasianthus</i>		Y		70'	20'	E'GRN	FS,PSH	W, OW, WD	MOD	MOD	(4.8-7.5)	Y
Leyland cypress <i>Curpressocyparis leylandii</i>	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 <i>Pinus elliotii</i>		Y		60-80'/ 30-40'	20'	E'GRN	FS, PSH	OW, WD	HIGH	RAPID	(4.5-7.0)	Y
Long Leaf Pine <i>Pinus palustris</i>	Y	Y		60-80'/ 30-40'	20'	E'GRN	FS	WD	HIGH	MOD	(4.5-7.0)	Y
Southern Magnolia <i>Magnolia grandiflora</i>	Y	Y		30-100'/ 20-40'	30'	E'GRN	FS, PSH	OW, WD	MOD	MOD	(5.5-6.5) tolerant to 7.5	Y
Sweetgum <i>Liquidambar straciflua</i>	Y	Y	Y	60-75'/ 35-50'	30'	DECID	FS, PSH	W, OW	LOW	MOD	(4.5-7.0) tolerant to 7.5	Y

**TREE COMMISSION
APPROVED TREE PLANTING LIST**

Tree	Right of Way	Parks	DCPS ¹⁴	Height/Spread	¹ Plan Canopy Diameter	² Foilage	³ Light Required	⁴ Soil Drainage	⁵ Drought Tolerance	⁶ Growth Rate	Soil Tolerance (pH)	¹³ IFAS FL Friendly
Sycamore <i>Platanus occidentalis</i>	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 <i>Liriodendron tulipifera</i>	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 <i>Salix babylonica</i> or <i>alba</i>		Y		45-70'/4 5-70'	30;	DECID	FS,PSH	OW, WD	MOD	RAPID	(4.5-7.5)	
PALMS												
Washington Palm <i>Washingtonia robusta</i>	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
Cabbage Palm <i>Sabal palmetto</i>	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 <i>Livistona decipiens</i>	Y	Y		30-50'/ 18-25'	15'	E'GRN	FS	WD	HIGH	MOD	(5.5-7.5)	

**TREE COMMISSION
APPROVED TREE PLANTING LIST**

Tree	Right of Way	Parks	DCPS ¹⁴	Height/Spread	¹ Plan Canopy Diameter	² Foilage	³ Light Required	⁴ Soil Drainage	⁵ Drought Tolerance	⁶ Growth Rate	Soil Tolerance (pH)	¹³ IFAS FL Friendly
------	--------------	-------	--------------------	---------------	-----------------------------------	----------------------	-----------------------------	----------------------------	--------------------------------	--------------------------	---------------------	--------------------------------

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 Foilage: 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 management of yard pests, recycling yard waste, reduction of stormwater runoff, and waterfront protection. Additional components include practices such as landscape planning and design, soil analysis, the appropriate use of solid waste compost, minimizing the use of irrigation, and proper maintenance."

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.