

## TREE SPECIES RATINGS FOR FLORIDA

Revised: January 2016

The below tree species ratings are designed to help arborists complete various appraisal formulas that require a 'species rating'. This list was created using the expertise of arborists and other tree experts throughout the State of Florida. This list is intended only as a guide. The individual appraiser's judgement is a very important consideration in making a final determination of the species percentage in valuation formulas.

Tree species were rated based on their suitability and performance as 'urban trees'. Rating arborists were asked to rate them based on the following criteria:

- Growth Rate
- Structure
- Life Span
- Compartmentalization
- Urban Tolerance
- Required Maintenance

Each tree was rated, using the above criteria, in each of four Florida geographic zones: north, central, south, and sub tropic. The counties comprising the four zones are shown below.

### COUNTIES IN EACH ZONE

The **north zone** is made up of USDA Hardiness Zones 8a and 8b and includes the following counties:

Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, Bay, Jackson, Calhoun, Gulf, Gadsden, Leon, Liberty, Franklin, Wakulla, Jefferson, Madison, Taylor, Hamilton, Suwannee, Columbia, Baker, Union, Bradford, Lafayette, Gilchrist, Dixie, Nassau, Duval, Clay, Alachua, Marion, Putnum, and Levy.

The **central zone** is made up of USDA Hardiness Zones 9a and 9b and includes the following counties:

Flagler, Volusia, St. Johns, Seminole, Orange, Lake, Sumter, Citrus, Hernando, Pasco, Pinellas, Polk, Hillsborough, Osceola, Manatee, Sarasota, Brevard, Indian River, Hardee, De Soto, Highlands, Okeechobee, St. Lucie, Martin, Beach, Hendry, and Charlotte.

The **south zone** is made up of USDA Hardiness Zones 10a and 10b and includes the following counties:

Lee, Collier, Palm Beach, Broward, and Miami-Dade

The **subtropical zone** is made up of USDA Hardiness Zone 10a and includes the following county:

Monroe

Scientific Name	Common Name	< 21%				21-40%				41-60%				61-80%				81-100%				FL NATIVE
		N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	
<i>Acacia auriculiformis</i>	earleaf acacia	X	X					X	X													NO
<i>Acacia farnesiana</i>	sweet acacia	X									X				X	X						YES
<i>Acer buergeranum</i>	trident maple			X	X						X				X							NO
<i>Acer saccharum susp floridanum</i>	Florida maple			X	X						X				X							YES
<i>Acer negundo</i>	boxelder			X	X			X			X											YES
<i>Acer palmatum</i>	Japanese maple			X	X						X							X				NO
<i>Acer rubrum</i>	red maple				X						X				X	X						YES
<i>Acer saccharinum</i>	silver maple		X	X	X		X															YES
<i>Aesculus pavia</i>	red buckeye			X	X		X								X							YES
<i>Albizia julibrissin</i>	silk tree; mimosa*	X	X	X	X																	NO
<i>Albizia lebeck</i>	woman's tongue	X	X	X	X																	NO
<i>Aralia spinosa</i>	devil's walkingstick		X	X	X		X															YES
<i>Araucaria bidwilli</i>	bunya bunya										X	X	X					X				NO
<i>Araucaria heterophylla</i>	Norfolk Island pine	X									X								X	X		NO
<i>Averrhoa carambola</i>	carambola	X									X				X					X		NO
<i>Avicennia germinans</i>	black mangrove	X									X								X	X		YES
<i>Bauhinia spp.</i>	orchid tree*	X	X	X	X																	NO
<i>Bauhinia x blakeana</i>	Hong Kong orchid	X									X	X	X									NO
<i>Betula nigra</i>	river birch			X	X						X				X							YES
<i>Betula pendula &amp; cvs.</i>	weeping birch; silver birch	X	X	X	X																	NO
<i>Bischofia javanica</i>	Javanese bishopwood*	X	X	X	X																	NO
<i>Bombax ceiba</i>	red silk cotton	X									X				X						X	NO
<i>Bucida buceras</i>	black olive; oxhorn bucida	X					X												X	X		NO
<i>Bulnesia arborea</i>	bulnesia	X	X																X	X		NO
<i>Bursera simaruba</i>	gumbo limbo	X													X				X	X		YES
<i>Caesalpinia granadillo</i>	bridalveil	X					X												X	X		NO
<i>Caesalpinia pulcherrima</i>	Pride-of-Barbados; dwarf poinciana	X					X				X							X				NO
<i>Callistemon rigidus</i>	rigid bottlebrush					X				X					X	X						NO
<i>Callistemon viminalis</i>	weeping bottlebrush					X				X					X	X						NO
<i>Calophyllum inophyllum</i>	Alexandrian laurel	X					X								X	X						NO
<i>Carpinus caroliniana</i>	American hornbeam; blue beech			X	X						X							X				YES
<i>Carya glabra</i>	pignut hickory				X			X										X	X			YES
<i>Carya illinoensis</i>	pecan			X	X						X				X							YES
<i>Cassia fistula</i>	golden shower	X					X								X						X	NO
<i>Casuarina equisetifolia</i>	Australian pine; horsetail casuarina*	X	X	X	X						X											NO
<i>Cedrus deodara</i>	Deador cedar		X	X	X						X											NO
<i>Ceiba pentandra</i>	kapok tree	X									X				X						X	NO
<i>Celtis laevigata</i>	sugarberry; hackberry				X						X	X	X									YES
<i>Cercis canadensis</i>	eastern redbud			X	X		X				X											YES
<i>Chionanthus spp.</i>	fringe tree			X	X						X							X				YES
<i>Chorisia speciosa</i>	floss-silk tree	X	X												X						X	NO
<i>Chrysophyllum cainito</i>	star-apple	X	X												X						X	NO

Scientific Name	Common Name	< 21%				21-40%				41-60%				61-80%				81-100%				FL NATIVE
		N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	
<i>Chrysophyllum oliviforme</i>	satinleaf	X	X												X						X	YES
<i>Cinnamomum camphora</i>	camphor tree*	X	X	X	X																	NO
<i>Citrus spp.</i>	citrus trees					X	X					X			X							NO
<i>Clusia rosea</i>	pitchapple*	X								X										X	X	YES
<i>Coccoloba diversifolia</i>	pigeon plum	X								X										X	X	YES
<i>Coccoloba uvifera</i>	seagrape	X												X						X	X	YES
<i>Conocarpus erectus</i>	buttonwood	X																X	X	X		YES
<i>Cordia bossieri</i>	white geiger; Texas olive	X								X					X	X						YES
<i>Cordia sebestena</i>	largeleaf; geiger tree	X	X												X						X	YES
<i>Cornus florida</i>	flowering dogwood			X	X		X							X								YES
<i>Cornus kousa</i>	kousa dogwood	X	X	X	X																	NO
<i>Cornus stricta</i>	swamp dogwood			X	X									X	X							YES
<i>Crataegus spp.</i>	haw/hawthorn			X	X		X							X								YES
<i>Cryptomeria japonica</i>	Japanese cedar		X	X	X		X															NO
<i>Cunninghamia lanceolata</i>	Chinese fir			X	X					X								X				NO
<i>Cupaniopsis anacardioides</i>	carrotwood*	X	X	X	X							X	X		X							NO
<i>Cupressus sempervirens</i>	Italian cypress				X					X	X			X								NO
<i>Dalbergia sissoo</i>	Indian rosewood*	X	X	X	X																	NO
<i>Delonix regia</i>	royal poinciana	X					X													X	X	NO
<i>Diospyros virginiana</i>	common persimmon			X	X					X				X								YES
<i>Eleocarpus decipens</i>	Japanese blueberry	X						X										X	X			NO
<i>Eriobotrya japonica</i>	loquat									X		X		X	X							NO
<i>Eucalyptus camaldulensis subsp. a</i>	river redgum	X								X	X	X										NO
<i>Eucalyptus cinerea</i>	silver dollar eucalyptus					X	X	X	X													NO
<i>Eucalyptus grandis</i>	grand eucalyptus	X								X					X	X						NO
<i>Eucalyptus robusta</i>	swamp mahogany	X								X					X	X						NO
<i>Eucalyptus torelliana</i>	Torell's eucalyptus; cadaga	X								X					X	X						NO
<i>Eugenia axillaris</i>	white stopper	X												X						X	X	YES
<i>Eugenia confusa</i>	redberry stopper#	X												X						X	X	YES
<i>Eugenia foetida</i>	Spanish stopper; boxleaf stopper	X								X										X	X	YES
<i>Eugenia rhombea</i>	red stopper	X								X										X	X	YES
<i>Ficus aurea</i>	strangler fig	X								X					X	X						YES
<i>Ficus benjamina</i>	weeping fig	X					X								X						X	NO
<i>Ficus elastica</i>	Indian rubber plant	X								X					X						X	NO
<i>Ficus lyrata</i>	fiddleleaf fig	X								X					X	X						NO
<i>Ficus microcarpa</i>	Indian laurel*	X	X	X	X																	NO
<i>Firmiana simplex</i>	Chinese parasol tree			X	X		X			X												NO
<i>Forestiera segregata</i>	Florida privet													X	X	X	X					YES
<i>Fraxinus americana</i>	white ash			X	X									X	X							YES
<i>Fraxinus pennsylvanicum</i>	green ash			X	X									X	X							YES
<i>Ginkgo biloba</i>	maidenhair tree		X	X	X					X												NO
<i>Gleditsia aquatica</i>	water locust				X			X						X	X							YES





Scientific Name	Common Name	< 21%				21-40%				41-60%				61-80%				81-100%				FL NATIVE
		N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	
<i>Prunus serotina</i>	black cherry				X			X				X										YES
<i>Prunus serrulata</i>	Japanese flowering cherry			X	X			X				X										NO
<i>Prunus umbellata</i>	flatwoods plum; hog plum				X				X			X	X									YES
<i>Pseudobombax ellipticum</i>	shaving brush tree	X										X								X	X	NO
<i>Psidium cattleianum</i>	strawberry guava*	X	X	X	X																	NO
<i>Psidium guajava</i>	guava*	X	X	X	X																	NO
<i>Psidium littorale</i>	cattley guava	X																	X	X	X	NO
<i>Pyrus calleryana</i>	callery pear			X	X		X	X														NO
<i>Quercus austrina</i>	bluff oak			X	X									X	X							YES
<i>Quercus chapmanii</i>	chapman oak			X	X									X	X							YES
<i>Quercus falcata</i>	Spanish oak; southern red oak			X	X						X			X								YES
<i>Quercus incana</i>	bluejack oak			X	X									X	X							YES
<i>Quercus geminata</i>	sand live oak															X		X	X	X		YES
<i>Quercus laurifolia</i>	laurel oak; diamond oak				X							X		X	X							YES
<i>Quercus laevis</i>	turkey oak			X	X						X			X								YES
<i>Quercus lyrata</i>	overcup oak		X	X	X													X				YES
<i>Quercus marilandica</i>	blackjack oak		X	X	X										X			X				YES
<i>Quercus michauxii</i>	swamp chestnut oak			X	X										X			X				YES
<i>Quercus myrtifolia</i>	myrtle oak				X							X		X					X			YES
<i>Quercus nigra</i>	water oak				X						X	X		X								YES
<i>Quercus phellos</i>	willow oak		X	X	X									X								YES
<i>Quercus shumardii</i>	Shumard's oak			X	X						X			X								YES
<i>Quercus stellata</i>	post oak			X	X									X	X							YES
<i>Quercus virginiana</i>	live oak															X		X	X	X		YES
<i>Ravenala madagascariensis</i>	Traveler's tree	X					X								X	X						NO
<i>Robinia pseudoacacia</i>	black locust		X	X	X		X															YES
<i>Rhizophora mangle</i>	red mangrove																X	X	X	X		YES
<i>Salix babylonica</i>	weeping willow				X			X		X	X											NO
<i>Salix caroliniana</i>	Carolina willow; coastal plain willow												X	X	X	X						YES
<i>Sambucus canadensis</i>	American elder			X	X		X	X														YES
<i>Sapium sebiferum</i>	popcorn; Chinese tallow*	X	X	X	X																	NO
<i>Sassafras albidum</i>	sassafras		X	X	X		X															YES
<i>Schefflera actinophylla</i>	Australian umbrella tree; octopus tree*	X	X	X	X																	NO
<i>Schinus terebinthifolius</i>	Brazilian pepper*	X	X	X	X																	NO
<i>Simarouba glauca</i>	paradise tree	X	X																X	X		YES
<i>Spathodea campanulata</i>	African tulip tree	X	X	X	X																	NO
<i>Styphnolobium japonica</i>	Japanese pagoda tree			X	X		X	X														NO
<i>Swietenia mahagoni</i>	West Indian mahogany~	X									X								X	X		YES
<i>Syzygium cumini</i>	java plum*	X	X	X	X																	NO
<i>Tabebuia aurea</i>	Caribbean trumpet tree	X									X				X						X	NO
<i>Tabebuia heterophylla</i>	white cedar, pink tabebuia	X									X				X						X	NO
<i>Tamarindus indica</i>	tamarind	X	X																	X	X	NO

Scientific Name	Common Name	< 21%				21-40%				41-60%				61-80%				81-100%				FL NATIVE
		N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	
<i>Taxodium ascendens</i>	pond-cypress															X		X	X	X		YES
<i>Taxodium distichum</i>	bald-cypress															X		X	X	X		YES
<i>Terminalia catappa</i>	West Indian almond	X	X																X	X		NO
<i>Tibouchina urvilleana</i>	princess flower	X								X						X	X					NO
<i>Tipuana tipu</i>	tipuana	X								X	X					X						NO
<i>Tilia spp.</i>	basswood			X	X					X				X								YES
<i>Ulmus alata</i>	winged elm				X						X			X	X							YES
<i>Ulmus americana</i>	American elm				X						X							X	X			YES
<i>Ulmus crassifolia</i>	cedar elm			X	X					X								X				YES
<i>Ulmus parvifolia</i>	Chinese elm				X			X		X				X								NO
<i>Vaccinium arboreum</i>	sparkleberry							X	X									X	X			YES
<i>Viburnum odorotissimum</i>	sweet viburnum													X	X	X	X					NO
<i>Viburnum obovatum</i>	Walters viburnum													X	X	X	X					YES
<i>Vitex agnus-castus</i>	lilac chaste tree			X	X	X				X												NO
<i>Zanthoxylum clava-herculis</i>	Hercules club			X	X					X	X											YES
<b>PALMS</b>																						
<i>Acoelorrhaphe wrightii</i>	paurotis palm	X													X				X	X		NO
<i>Adonidia merrillii</i>	Christmas palm, drawf royal	X	X												X					X	X	NO
<i>Archontophoenix alexandre</i>	King Alexander palm	X												X					X	X		NO
<i>Archontophoenix cunninghamiana</i>	piccabeen palm	X	X																X	X		NO
<i>Arenga engleri</i>	dwarf sugar palm									X				X					X	X		NO
<i>Bismarkia nobilis</i>	Bismark palm	X				X													X	X		NO
<i>Butia capitata</i>	pindo palm													X	X				X	X		NO
<i>Carpenteria acuminata</i>	carpentaria palm	X	X																X	X		NO
<i>Caryota mitis</i>	fishtail palm	X								X									X	X		NO
<i>Chamaedorea cataractarum</i>	cat palm																		X	X		NO
<i>Chamaerops humilis</i>	European fan palm																	X	X	X	X	NO
<i>Coccothrinax argentata</i>	silver thatch palm	X	X																X	X		NO
<i>Coccothrinax crinita</i>	old man palm	X	X																X	X		NO
<i>Coccothrinax miraguama</i>	miraguama palm	X	X																X	X		NO
<i>Cocos nucifera</i>	coconut palm, maypan, green malayan	X	X											X						X		NO
<i>Dictyosperma album</i>	hurricane palm	X	X																X	X		NO
<i>Dypsis cabadae</i>	cabada palm	X	X																X	X		NO
<i>Dypsis decaryi</i>	triangle palm	X								X				X						X		NO
<i>Dypsis leptocheilos</i>	teddy bear palm																		X	X		NO
<i>Dypsis lutescens</i>	areca palm	X				X								X						X		NO
<i>Howea forsteriana</i>	kentia palm, sentry palm	X	X											X	X							NO
<i>Hyophorbe lagenicaulis</i>	bottle palm	X				X													X	X		NO
<i>Hyophorbe verschaffeltii</i>	spindle palm	X																	X	X		NO
<i>Latania loddigesii</i>	blue latan palm	X				X													X	X		NO
<i>Licuala spinosa</i>	spiny licuala palm	X	X																	X		NO
<i>Livistona australis</i>	Australian fan palm					X									X	X			X			NO

Scientific Name	Common Name	< 21%				21-40%				41-60%				61-80%				81-100%				FL NATIVE
		N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	N	C	S	ST	
<i>Livistona chinensis</i>	Chinese fan palm	X																	X	X	X	NO
<i>Livistona decipiens</i>	ribbon palm					X											X		X	X		NO
<i>Livistona saribus</i>	taraw palm					X										X	X		X			NO
<i>Phoenix canariensis</i>	Canary Island date palm					X													X	X	X	NO
<i>Phoenix reclinata</i>	senegal date plam, reclinata palm	X													X					X	X	NO
<i>Phoenix sylvestris</i>	sylvester palm, wild date palm					X													X	X	X	NO
<i>Phoenix dactylifera</i>	edible date palm, medjool, deglet noor, zahedi					X													X	X	X	NO
<i>Phoenix roebelenii</i>	roebelenii palm, pigmy date palm	X													X					X	X	NO
<i>Pseudophoenix sargentii</i>	Buccaneer palm	X	X																	X	X	NO
<i>Ptychosperma elegans</i>	Alexander palm, solitaire palm	X					X													X	X	NO
<i>Ptychosperma macarthurii</i>	Macarthur palm	X	X																	X	X	NO
<i>Ravenea rivularis</i>	majesty palm	X															X					NO
<i>Rhapis excelsa</i>	lady palm														X	X				X	X	NO
<i>Roystonea regia</i>	Cuban royal palm, Florida royal palm	X	X																	X	X	YES
<i>Sabal minor</i>	sabal minor										X	X	X		X							YES
<i>Sabal palmetto</i>	sabal palm																		X	X	X	YES
<i>Serenoa repens</i>	saw palmetto, green or silver																		X	X	X	YES
<i>Syagrus botryophora</i>	pati palm																					NO
<i>Syagrus romanzoffiana</i>	queen palm	X					X				X										X	NO
<i>Syagrus schizophylla</i>	arikury palm																			1		NO
<i>Thrinax morrisii</i>	key thatch palm	X	X																	X	X	NO
<i>Thrinax radiata</i>	Florida thatch palm	X	X																	X	X	YES
<i>Trachycarpus fortunei</i>	windmill palm			X	X										X				X			NO
<i>Veitchia arecina</i>	Montgomery palm	X					X													X	X	NO
<i>Veitchia winin</i>	winin palm	X	X																	X	X	NO
<i>Washingtonia filifera</i>	California fan palm					X									X	X	X					NO
<i>Washingtonia robusta</i>	Washington palm					X									X	X	X					NO
<i>Wodyetia bifurcata</i>	foxtail palm	X					X									X	X					NO
*Refrence USDA Plant Database and USF Plant List 2013																						
# Florida Endangered Plant - Rule 5B-40.0055																						
~ Florida Threatened Plant List - Rule 5B-40.0055																						