

**APPENDIX B**

**POLK COUNTY  
RECOMMENDED SPECIES LIST**

**TREE SPECIES (Revised 03/18/09 – Ord. 09-006)**

Site Class: H = Hydric Proximity to Power lines: A = under 15 feet Light Requirement: L = Low Type: D = Deciduous Use: O = Canopy Tree  
 M = Mesic (P/L) B = 15 - 30 feet M = Medium E = Evergreen U = Understory Tree  
 Z = Xeric C = 30+ feet H = High

SPECIES	NATIVE	SITE CLASS	LIGHT	TYPE	CROWN SPREAD	CANOPY AREA	HEIGHT	P/L	USE
ACER A. rubrum Red Maple	YES	H - M	H	D	25	491	35 - 50	B	O
BACCHARIS B. halimifolia Groundsel Tree	YES	H - M - Z	H	E	8	50	7 - 12	A	U
BETULA B. nigra River Birch	YES	H	H	D	16	201	45 - 65	B	O
CALLISTEMON C. rigidus Bottlebrush, stiff C. viminalis Bottlebrush, weeping		H-M H	H H	E E	5 10	20 79	8 - 15 15 - 20	A A	U U
CARPINUS C. caroliniana American Hornbeam	YES	H	M - H	D	12	113	25 - 35		O
CARYA C. floridana Scrub Hickory C. glabra Pignut Hickory C. illinoensis Pecan C. tomentosa Mockernut	YES YES	Z M M M	M - H M - H H M - H	D D D D	12 30 30 30	113 707 707 707	10 - 20 80 - 100 60 - 100 80 - 100	A C C C	U O O O
CELTIS C. laevigata Sugarberry (Hackberry)	YES	M	H	D	40	1252	40 - 60	B	O
CHIONANTHUS C. virginicus Fringe Tree	YES	M	H - M	D	10	79	15 - 25	A	U
CINNAMOMUM C. camphora Camphor		M	H	E	30	707	40 - 50	C	O
CORNUS C. florida Flowering Dogwood	YES	M	M	D	16	201	20 - 30	B	O
CRATAEGUS C. sp. Hawthorne	YES	M	M - H	D	12	113	15 - 20	A	U
ERIOBOTRYA E. japonica Loquat, Japanese Plum		M	H	E	10	79	15 - 20	A	U
ERAXINUS									

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F. caroliniana F. pennsylv	YES YES	H H - M	H H	D D	25 40	491 1257	40 - 60 60	B C	O O
GLEDISTSIA G. aquatica	YES	H	M	D	15	177	40 - 60	B	O
GORDONIA G. lasianthus	YES	H - M	H	E	16	201	30 - 40	B	O
ILEX I. attenuatas I. cassine I. opaca I. vomitoria	YES YES YES YES	 H - M M - Z H - M - Z	 M - H M - H M - H	E E E E	16 16 16 8	201 201 201 50	25 - 30 25 - 30 30 - 45 15 - 25	B B B A	O U O U
JUNIPERUS J. silicicola	YES	M - Z	H	E	12	113	25 - 30	B	O/U
KOELREUTERIA K. elegans (bipinnata)		M	H	D	20	314	30 - 50	B	O
LAGERSTROEMIA L. indica		M	H	D	12	113	15 - 25	A	U
LIGUSTRUM L. japonicum L. lucidum		M M - Z	M - H M - H	E E	6 20	28 314	10 - 15 30 - 35	A B	U O
LIQUIDAMBAR L. styraciflua L. orientalis	YES	H - M H - M	H H	D D	30 35	707 962	60 - 100 40 - 60	C C	O O
MAGNOLIA M. grandiflor M. virginiana	YES YES	H - M H - M	M - H M - H	E E	25 16	491 201	50 - 100 30 - 60	C B	O O
MYRICA M. cerifera	YES	H - M	M - H	E	6	28	10 - 18	C	U
NYSSA N. sylvatica	YES	H - M	H	D	20	314	50 - 100	C	O

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SPECIES	NATIVE	SITE CLASS	LIGHT	TYPE	CROWN SPREAD	CANOPY AREA	HEIGHT	P/L	USE
<b>OSMANTHUS</b>									
O. americana Wild Olive, Devilwood	YES	H - M	H	E	8	50	15 - 30	A	U
O. megacarpa Scrub Olive	YES	Z	H	E	10	79	12 - 15	A	U
<b>PARKINSONIA</b>									
P. aculeata Jerusalem Thorn		M	H	D	16	20	20 - 30	A	U
<b>PERSEA</b>									
P. borbornia Red Bay	YES	H - M	M - H	E	12	113	20 - 60	B	O/U
<b>PINUS</b>									
P. clause Sand Pine	YES	M - Z	H	E	5	491	60 - 80	B	O
P. elliotii Slash Pine	YES	H - M	H	E	5	491	80 - 100	B	O
P. elliotii densa South Florida Slash Pine	YES	H - M - Z	H	E	5	491	80 - 100	B	O
P. palustris Long Leaf Pine	YES	M - Z	H	E	5	491	80 - 100	B	O
P. taeda Loblolly Pine	YES	H - M	H	E	5	491	80 - 100	B	O
P. thunbergin Black Pine		M	H	E	12	113	20 - 30	A	U
<b>PLANTUS</b>									
P. occidentalis Sycamore	YES	H - M	H	D	30	707	50 - 80	C	O
<b>PODOCARPUS</b>									
P. macrophyll Podocarpus		M - Z	H	E	12	113	45	B	O
P. nagi Podocarpus		M	H	E	12	113	45	B	O
<b>PRUNUS</b>									
P. agustofol Chickasaw Plum	YES	M - Z	H	D	15	177	15 - 20	A	U
P. carolinian Cherry Laurel	YES	M	M - H	E	20	314	30 - 40	C	O
P. serotina Wild Black Cherry	YES	H - M - Z	M	D	20	314	50 - 65	B	O
<b>QUERCUS</b>									
Q. chapmanii Chapman Oak	YES	M - Z	H	D	20	314	15 - 20	A	U
Q. geminata Sand Live Oak	YES	M - Z	H	E	12	113	15 - 30	A	U
Q. incana Blue Jack Oak	YES	M - Z	H	D	20	314	20 - 30	B	O
Q. laevis Turkey Oak	YES	M - Z	H	D	25	491	40 - 50	C	O
Q. falcata Southern Red Oak	YES	M	H	D	35	962	80	C	O
Q. phellos Willow Oak		H - M	H	D	35	962	80	C	O
Q. prinus Basket Oak	YES	H - M	H	D	35	962	80	C	O
Q. laurifolia Laurel Oak	YES	M	M - H	Semi - D	35	962	60 - 100	C	O
Q. myrtifolia Myrtle Oak	YES	M - Z	H	E	10	79	15 - 20	A	U

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SPECIES	NATIVE	SITE CLASS	LIGHT	TYPE	CROWN SPREAD	CANOPY AREA	HEIGHT	P/L	USE
Q. nigra Water Oak	YES	H - M	M - H	Semi - D	30	707	60 - 100	C	O
Q. virginiana Live Oak	YES	H - M	M - H	E	50	1964	50 - 60	C	O
Q. shumardii Shumard	YES	M - Z	H	D	40	1256	60	C	O
Q. alba White Oak		H - M	H	D	35	962	80	C	O
Q. marilandic Black Jack Oak		Z	H	D	15	177	20	B	U
Q. muhlenber Pin Oak		H - M	H	D	35	962	90	C	O
Q. stellata Post Oak	YES	Z	H	D	30	707	70	C	O
<b>TAXODIUM</b>									
T. distichum Bald Cypress	YES	H - M	H	D	20	314	60 - 100	B	O
<b>TILIA</b>									
T. caroliniana Carolina Basswood	YES	H - M	M - H	D	25	491	50 - 60	C	O
<b>ULMUS</b>									
U. alata Winged Elm	YES	M	M - H	D	25	491	20 - 25	B	U
U. americana flordana Florida Elm	YES	M	H	D	30	707	80 - 100	C	O
U. parvifolia Drake Elm or Chinese Elm		M	H	Semi - D	30 - 40	982	30 - 40	B	U
<b>VACCINIUM</b>									
V. arboreum Sparkleberry	YES	M - Z	H	D	12	113	20	A	U
<b>VIBURNUM</b>									
V. nudum Possum Haw	YES	H - M	H	D	15	177	20	A	U
V. ovobatum Black Haw	YES	H - M	M - H	E	15	177	20	A	U

**SHRUB SPECIES**

Soils: H = Hydric M = Mesic Z = Xeric Period: Sp = Spring S = Summer F = Fall Height in Feet: 1 - 3 feet/SMALL 4 - 6 feet/MEDIUM 7 feet and up/LARGE

SPECIES	NATIVE	MATURE HEIGHT	SOILS	PERIOD
Abeliag grandiflora Glossy Abelia		M	M	S
Baccharis halimifolia Groundsel Tree/Saltbush	YES	L	H - M - Z	F
Befaria racemosa Tarflower	YES	L	M	S
Bumelia tenax Silver Buckthorn	YES	L	Z	

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SPECIES		NATIVE	MATURE HEIGHT	SOILS	PERIOD
Camellia japonica	Camellia		M	M	
Carrissa g.	Boxwood Beauty		S	M	
Cortaderia selloana	Pampas Grass		L	M	S
Cycas revoluta	King Sago		M	M	
Duranta repens	Golden Dewdrop		L	M	Sp - S
Garberia heterophylla	Garberia	YES	S	Z	F
Gardenia jasminoides	Gardenia		M	H	Sp
Hydrangea macrophylla	Hydrangea		M	M	S
Hypericum hypericoides	St. Andrew's Cross	YES	S	H - M - Z	Sp - S
Hypericum reductum	St. John's Wort	YES	S	M - Z	S - F
Ilex cornuta 'Bufordi'	Buford Holly		L	M	
Ilex cornuta 'Dwarf Bufordi'	Dwarf Buford Holly		M	M	
Ilex cornuta 'Rotunda'	Rotunda Holly		M	M	
Ilex glabra	Gallberry	YES	L	M	Sp
Ilex opaca arenicola	Scrub Holly	YES	L	M - Z	S
Ilex vomitoria 'Nana'	Shillings Holly	YES	S	M	Sp
Ilex vomitoria 'Pendula'	Weeping Yaupon Holly	YES	L	M	S
Illicium anisatum	Japanese Anise		L	M	S
Illicium floridanum	Star Anise	YES	L	H - M	
Illicium parviflorum	Florida Anise	YES	L	H - M	
Itea virginica	Virginia Willow	YES	M	H - M	
Jasminum natidum	Shining Jasmine		M	M	

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SPECIES		NATIVE	MATURE HEIGHT	SOILS	PERIOD
Jasminum pubescens	Downy Jasmine		M	M	
Juniperus 'Pfitzeriana'	Pfitzer Juniper		M	M - Z	
Juniperus conferta 'Compacts'	Dwarf Shore Juniper		S	M - Z	
Juniperus squanta 'Expansa'			S	M - Z	
Leucophyllum frutescens	Texas Sage		M	M	S
Ligustrum japonicum	Ligustrum		L	M	
Lyonia ferruginea	Rusty Lyonia	YES	L	M - Z	S
Lyonia lucida	Shiny Lyonia/Fetterbush	YES	M	M	S
Myrica cerifera	Wax Myrtle	YES	L	H - M	
Persea humilis	Silk Bay	YES	L	M - Z	Sp
Photinia glabra	Red Tip		L	M	Sp - S
Pittosporum tobira	Green Pittosporum		L	M	
Pittosporum tobira 'Compacts'	Compact Pittosporum		M	M	
Pittosporum tobira 'Variegate'	Variegated Pittosporum		M	M	
Raphiolepis idica	India Hawthorn		M	M	Sp
Rhododendron 'Duc de Rohan'	Azalea, 'Duc de Rohan'		M	M	Sp
Rhododendron simsii	Indian Azalea		L	M	Sp - S
Rhododendron serrulatun	Swamp Azalea	YES	M	H - M	S
Serenoa repens	Saw Palmetto	YES	M	M - Z	
Thryallis glauca	Thryallis, Shower of Gold		M	M	S
Vaccinium darrowi	Little Blueberry	YES	S	M - Z	Sp

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SPECIES		NATIVE	MATURE HEIGHT	SOILS	PERIOD	
Viburnum obovatum	Blackhaw	YES	L	M		
Viburnum obovatissimum	Sweet Viburnum		L	M		
Viburnum suspensum	Sandankwa Viburnum		M	M		
Zamia floridana	Coontie	YES	S	M		
GROUND COVERS AND VINES						
Soils: H = Hydric M = Mesic Z = Xeric		Flower Season: Sp = Spring S = Summer F = Fall W = Winter		Light Intensity: L = Low Light P = Partial Shade F = Full Sun		
Species		NATIVE	SOILS	LIGHT INTENSITY	FLOWER COLOR	FLOWER SEASON
Aristida spp	Wiregrass	X	Z	F		
Asparagus sprengeri	Sprengeri Fern		M	P - F		
Bacopa caroliniana	Water Hyssop	X	H	F	Blue	S
Chrysopsis floridana	Florida Astor	X	Z	F	Yellow	S - F
Conradina canascens	Conradina	X	Z	F	Lavender	Sp
Coreopsis leavenworthii	Tickseed		H - M	P - F	Yellow	S
Cuphea hyssopifolia	Florida Heather		M	P - F	White	Sp - S - F
Dychoriste oblongifolia	Twinflower	X	M - Z	P - F		
Gamolepsis chrysanthemoides	Daisy Bush		M	F	Yellow	S
Gelsemium sempervirens	Carolina Yellow Jasmine	X	H - M	L - P - F	Yellow	W
Hemerocallis spp.	Daylily		M	P - F	Varied	S
Hyrdolea corymbosum	Skyflower	X	H - M	L - P - F	Blue	S
Iris savannarum	Prarie Iris	X	H - M	F	Blue	Sp
Juncus effusus	Soft Rush	X	H - M	L - P - F		
Juniperus conferta 'Compacta'	Dwarft Shore Juniper		M - Z	F		



**GROUND COVERS AND VINES**

Soils: H = Hydric M = Mesic Z = Xeric Flower Season: Sp = Spring S = Summer F = Fall W = Winter Light Intensity: L = Low Light P = Partial Shade F = Full Sun

Species		NATIVE	SOILS	LIGHT INTENSITY	FLOWER COLOR	FLOWER SEASON
Juniperus horizontalis 'Wiltoni'	Blue Rug Juniper		M - Z	F		
Juniperus squamata 'Expansa'	Parsoni Juniper		M - Z	F		
Lantan monetvidensis	Weeping Lantana		M	P - F	Blue	S
Liriope Muscar	Lily Turf		M	L - P		
Liriope Muscari 'Evergreen Giant'	Evergreen Giant Liriope		M	L - P		
Liriope Muscari 'Variegata'	Variegated Lily Turf		M	L - P		
Liriope spicata	Creeping Lily Turf		M	L - P		
Lhicania michauxii	Gopher Apple	X	M - Z	P - F		
Moraea iridioides	White African Iris		M	P - F	White	Sp - S - F
Nolina brittonia	Nolina	X	M - Z	P - F	White	S
Ophiopogon japonicus	Mondo Grass		M	L - P		
Ophiopogon japonicus nana	Dwarf Mondo Grass		M	L - P		
Parthenocissus quinquefolia	Virginia Creeper		M	L - P - F	Red (Foliage)	F
Piloblephis rigida	Pennyroyal	X	M - Z	F	Blue	Sp - S
Pityopsis graminifolia	Golden Aster	X	M - Z	F	Yellow	S - F
Pontederia cordata	Pickereel Weed	X	H	P - F	Blue	Sp - S
Portulaca oleracea	Purslane		M	F	Varied	S
Pyschotria nervosa	Wild Coffee	X	M	L - P	White	Sp
Ruellia caroliniensis	Ruellia	X	M - Z	L - P - F	Blue	Sp - S - F
Sisyrinchium atlanticum	Blue-Eyed Grass	X	M	F	Blue	Sp - S
Spartina bakeri	Sand Cord Grass	X	M	F		

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Species		NATIVE	SOILS	LIGHT INTENSITY	FLOWER COLOR	FLOWER SEASON
Trachelospermum jasminoides	Confederate Jasmine		M	P - F	White	S
Trachelospermum minima	Dwarf Confederate Jasmine		M	P - F	White	S
Tulbaghia violacea	Society Garlic		M - Z	F	Lavender	Sp - S - F
Vince minor	Periwinkle		M	P - F	Varied	Sp - S
Viola affinia	Florida Violet		H - M	L - P	Blue	Sp
Wedlia trilobata	Wedelia		H - M	L - P - F	Yellow	SP - S
Yucca filamentosa	Bear Grass		M - Z	F		

## ***Planting Material Guidelines***

### **1. *Recommended Species List***

A Recommended Species List is provided and includes a list of native species. The use of native plant material is highly encouraged and recommended.

### **2. *Prohibited Plant Species***

The following plant species should not be planted in the County:

- a. *Melaleuca quinquenervia* (commonly know as Punk tree, Cajeput, Paper Bark, *Melaleuca*); or
- b. *Schinus terebinthifolius* (commonly known as Brazilian Pepper or Florida Holly); or
- c. *Casuarina* species (commonly know as Australian Pine); and
- d. *Rhodomyrtus tomentosa* (commonly known as Downy Rose Myrtle).

### **3. *Planting***

Trees and other vegetation should be planted in soil and climatic conditions which are appropriate for their growth habits. Plants used in the landscape design pursuant to this Chapter 7 should to the greatest extent possible be:

- a. Appropriate to the conditions in which they are planted;
- b. Have non-invasive growth habits;
- c. Encourage low maintenance, high quality design; and
- d. Be otherwise consistent with the intent of this Code.

### **4. *Quality***

Plant material should conform to the standards for Florida No. 1 or better based on the Florida Department of Agriculture and Consumer Services Publications *Grades & Standards for Nursery Plants, Part I and II*.

### **5. *Trees***

Any required tree planting pursuant to this Code should conform to the Recommended Species list. All tree species, upon planting, should be a minimum of eight feet tall and one and one-half inches diameter at breast height (D.B.H.). At maturity, a tree must reach a minimum height of 25 feet with a minimum spread (or crown) of 15 feet.

6. ***Shrubs***

When used for screening purposes, shrubs should have a minimum height of 30 inches at planting and should be spaced a maximum of 18 to 36 inches on center depending on variety to create a minimum 40 percent opacity at planting, with the capability of attaining a height of six feet and an 80 percent opacity within two years of planting.

7. ***Ground Covers***

Ground covers used in lieu of grass in whole or in part should be planted so as to provide full coverage within one year after planting.

8. ***Mulch***

Mulch should consist of a minimum of three inches of shredded and treated No.1 grade pine, cypress or hardwood chips, nuggets or needles, or two inch rock, marble or brick chips. A pre-emergent herbicide or weed barrier cloth should be incorporated with the soil prior to mulching.

9. ***Grasses***

Grass areas may be sodded, plugged, sprigged, or seeded. Solid sodding should be required in areas subject to erosion (slopes of 6:1 or greater). In areas where grass seed is needed, nurse grass seed (e.g., rye, millet) should also be sown for immediate effect.

10. ***Planter Beds***

Planter beds should be a minimum of five feet in width and should be filled with native topsoil incorporated with organic matter, free of weeds and grasses to promote plant growth. Bare soil should be covered with a minimum of three inches treated mulch after planting to control erosion and retain moisture.

11. ***Installation***

All landscaping should be installed according to sound horticulture practices.

12. ***Non-living Materials***

Non-living materials such as rocks, gravel, mulch, walls or fences, may be used in combination with living plant material. The use of artificial plants should not be permitted to meet requirements of this Code.