

Appendix B

Polk County

RECOMMENDED SPECIES LIST

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

Site Class:	Proximity to Power Lines	Light Requirement	Type	Use
H = Hydric	A = under 15 feet	L = Low	D = Deciduous	O = Canopy Tree
M = Mesic (P/L)	B = 15 – 30 feet	M = Medium	E = Evergreen	U = Understory Tree
Z = Xeric Proximity to Power lines:	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	--	H-M	H	E	5	20	8-15	A	U
CALLISTEMON C. viminalis Bottlebrush, weeping	--	H	H	E	10	79	15-20	A	U
CARPINUS C. caroliniana American Hornbeam	YES	H	M-H	D	12	113	25-35	--	O
CARYA C. floridana Scrub Hickory	YES	Z	M-H	D	12	113	10-20	A	U
CARYA C. glabra Pignut Hickory	YES	M	M-H	D	30	707	80-100	C	O
CARYA C. illinoensis Pecan	--	M	H	D	30	707	60-100	C	O
CARYA C. tomentosa Mockernut	--	M	M-H	D	30	707	80-100	C	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

SPECIES	NATIVE	SITE CLASS	LIGHT	TYPE	CROWN SPREAD	CANOPY AREA	HEIGHT	P/L	USE
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 F. caroliniana Pop Ash	YES	H	H	D	25	491	40-60	B	O
ERAXINUS F. pennsylv Green Ash	YES	H-M	H	D	40	1257	60	C	O
GLEDISTZIA G. aquatica Water Locust	YES	H	M	D	15	177	40-60	B	O
GORDONIA G. lasianthus Loblolly Bay	YES	H-M	H	E	16	201	30-40	B	O
ILEX I. attenuatas East Palatka Holly	YES	--	--	E	16	201	25-30	B	O
ILEX I. cassine Dahoon Holly	YES	H-M	M-H	E	16	201	25-30	B	U
ILEX I. opaca American Holly	YES	M-Z	M- H	E	16	201	30-45	B	O
ILEX I. vomitoria Yaupon Holly	YES	H-M-Z	M-H	E	8	50	15-25	A	U
JUNIPERUS J. silicicola Southern Red Cedar	YES	M-Z	H	E	12	113	25-30	B	O/U
KOELREUTERIA K. elegans (bipinnata)Golden Rain Tree	--	M	H	D	20	314	30-50	B	O
LAGERSTROEMIA L. indica Crepe Myrtle	--	M	H	D	12	113	15-25	A	U
LIGUSTRUM L. japonicum Wax Leaf Ligustrum	--	M	M-H	E	6	28	10-15	A	U
LIGUSTRUM L. lucidum Ligustrum Lcidum	--	M-Z	M-H	E	20	314	30-35	B	O
LIQUIDAMBAR L. styraciflua Sweet Gum	YES	H-M	H	D	30	707	60-100	C	O

SPECIES	NATIVE	SITE CLASS	LIGHT	TYPE	CROWN SPREAD	CANOPY AREA	HEIGHT	P/L	USE
LIQUIDAMBAR L. orientalis Oriental Sweet Gum	--	H-M	H	D	35	962	40-60	C	O
MAGNOLIA M. grandiflor Southern Magnolia	YES	H-M	M H	E	25	491	50-100	C	O
MAGNOLIAM M. virginiana Sweet Bay Magnolia	YES	H-M	M-H	E	16	201	30-60	B	O
MYRICA M. cerifera Wax Myrtle	YES	H-M	M-H	E	6	28	10-18	C	U
NYSN N sylvatica Black GumSA	YES	H-M	H	D	20	314	50-100	C	O
OSMANTHUS O. Americana Wild Olive, Devilwood	YES	H-M	H	E	8	50	15-30	A	UU
OSMANTHUS O. megacarpa Scrub Olive	YES	Z	H	E	10	79	12-15	A	YES
PARKINSONIA P. aculeata Jerusalem Thorn	--	M	H	D	16	20	20-30	A	U
PERSEA P. borbornia Red Bay	YES	H-M	M-H	E	12	113	20-60	B	O/U
PINUS P. clause Sand Pine	YES	M-Z	H	E	5	491	60-80	B	O
PINUS P. elliotii Slash Pine	YES	H-M	H	E	5	491	80-100	B	O
PINUS P. elliotii densa South Florida Slash Pine	YES	H-M-Z	H	E	5	491	80-100	B	O
PINUS P. palustris Long Leaf Pine	YES	M-Z	H	E	5	491	80-100	B	O
PINUS P. taeda Loblolly Pine	YES	H-M	H	E	5	491	80-100	B	O
PINUS P. thunbergin Black Pine	--	M	H	E	12	113	20-30	A	U
PLANTUS P. occidental Sycamore	YES	H-M	H	D	30	707	50-80	C	O

SPECIES	NATIVE	SITE CLASS	LIGHT	TYPE	CROWN SPREAD	CANOPY AREA	HEIGHT	P/L	USE
PODOCARPUS P. macrophyll Podocarpus	--	M-Z	H	E	12	113	45	B	O
PODOCARPUS P. nagi Podocarpus	--	M	H	E	12	113	45	B	O
PRUNUS P. agustofol Chickasaw Plum	YES	M-Z	H	D	15	177	15-20	A	U
PRUNUS P. carolinian Cherry Laurel	YES	M	M-H	E	20	314	30-40	C	O
PRUNUS P. serotina Wild Black Cherry	YES	H-M-Z	M	D	20	314	50-65	B	O
QUERCUS Q. chapmanii Chapman Oak	YES	M-Z	H	D	20	314	15-20	A	U
QUERCUS Q. geminata Sand Live Oak	YES	M-Z	H	E	12	113	15-30	A	U
QUERCUS Q. incana Blue Jack Oak	YES	M-Z	H	D	20	314	20-30	B	O
QUERCUS Q. laevis Turkey Oak	YES	M-Z	H	D	25	491	40-50	C	O
QUERCUS Q. falcata Southern Red Oak	YES	M	H	D	35	962	80	C	O
QUERCUS Q. phellos Willow Oak	--	H-M	H	D	35	962	80	C	O
QUERCUS Q. prinus Basket Oak	YES	H-M	H	D	35	962	80	C	O
QUERCUS Q. laurifolia Laurel Oak	YES	M	M-H	Semi D	35	962	60-100	C	O
QUERCUS Q. myrtifolia Myrtle Oak	YES	M-Z	H	E	10	79	15-20	A	U
QUERCUS Q. nigra Water Oak	YES	H-M	M H	Semi D	30	707	60-100	C	O
QUERCUS Q. virginiana Live Oak	YES	H-M	M-H	E	50	1964	50-60	C	O
QUERCUS Q. shumardii Shumard	YES	M-Z	H	D	40	1256	60	C	O

SPECIES	NATIVE	SITE CLASS	LIGHT	TYPE	CROWN SPREAD	CANOPY AREA	HEIGHT	P/L	USE
QUERCUS Q. alba White Oak	--	H-M	H	D	35	962	80	C	O
QUERCUS Q. marilandic Black Jack Oak	--	Z	H	D	15	177	20	B	U
QUERCUS Q. muhlenber Pin Oak	--	H-M	H	D	35	962	90	C	O
QUERCUS Q. stellata Post Oak	YES	Z	H	D	30	707	70	C	O
TAXODIUM T. distichum Bald Cypress	YES	H-M	H	D	20	314	60-100	B	O
TILIA T. caroliniana Carolina Basswood	YES	H-M	M-H	D	25	491	50-60	C	O
ULMUS U. alata Winged Elm	YES	M	M-H	D	25	491	20-25	B	U
ULMUS U. americana flordana Florida Elm	YES	M	H	D	30	707	80-100	C	O
ULMUS U. parvifolia Drake Elm or Chinese Elm	--	M	H	Semi D	30 - 40	982	30 40	B	U
VACCINIUM V. arboreum Sparkleberry	YES	M-Z	H	D	12	113	20	A	U
VIBURNUM 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:
SMALL = 1 - 3 feet
MEDIUM = 4 - 6 feet
LARGE = 7 feet and up

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	--
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 macrphylla 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	--

SPECIES	NATIVE	MATURE HEIGHT	SOILS	PERIOD
Jasminum natidum Shining Jasmine	--	M	M	--
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 tobria >Compacts= Compact Pittosporum	--	M	M	--
Pittosporum tobria >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
Viburnum obovatum Blackhaw	YES	L	M	--
Viburnum oboratissimum 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	X	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= Dwarf Shore Juniper	--	M-Z	F	--	--
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	--	--

SPECIES	NATIVE	SOILS	LIGHT INTENSITY	FLOWER COLOR	FLOWER SEASON
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 Pickerel 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	--	--
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
Wedelia 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 known as Punk tree, Cajeput, Paper Bark, Melaleuca); or
- b. *Schinus terebinthifolius* (commonly known as Brazilian Pepper or Florida Holly); or
- c. *Casuarina* species (commonly known as Australian Pine); and
- d. *Rhodomyrtus tomentosa* (commonly known as Downy Rose Myrtle).

3. Planting

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*.

- a. Appropriate to the conditions in which they are planted;
- b. Have noninvasive growth habits;
- c. Have noninvasive growth habits;
- d. Encourage low maintenance, high quality design; and
- e. 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 &*

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.