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Landscape Solutions

## Customer Information

# SALT TOLERANT PLANTS FOR NORTH FLORIDA

Gardening near the coast can present some unique challenges for a home owner. Although soil and water containing excessive salt can occur even inland due to overapplication of fertilizers, dry periods which don't allow leaching of salts, and poor quality irrigation water, it is an even bigger hazard on the coast. Here, sea spray can cover foliage and soil even a few miles from the ocean, and salt water can intrude into ground water and wells. Most soils in Duval County test at less than 2 dS/m, a measure of salinity which is in the range of healthy plant growth. But local variation can occur, especially near the coast and in poorly draining sites, with soil salinity over 16 dS/m in some areas!

Salts in the soil or irrigation prevent water from being properly taken up by roots. Plants may wilt even though the volume of water should be sufficient. With greater salinity, salts may pass into the root, leading to toxicity in the plant. Observable salt stress symptoms due to salinity ranges from stunted growth and reduced yields, leaf burn (chlorosis) or needle tip browning and necrosis, to eventual death of the entire plant. Damage from saline soils are evident more slowly than from salt spray, and salt in the soil causes burn on leaf margins whereas salt landing on foliage creates burns throughout the leaf. But these symptoms can resemble symptoms from many other factors including disease, drought and chemical misuse. Testing your soil and irrigation water will reveal issues with salinity and help you diagnose and correct plant problems. These tests can be run by the UF/IFAS Analytical Services Laboratory. Contact them at (352) 392-1950 Ext. 221, email [soilslab@ifas.ufl.edu](mailto:soilslab@ifas.ufl.edu), or use their website [soilslab.ifas.ufl.edu](http://soilslab.ifas.ufl.edu). Form SL133 is used for irrigation and well water, and includes testing for sodium (Na) and chloride (Cl) levels (the two salts which cause the most plant damage) and electrical conductivity (total salinity level). Use Form SL135 for an analysis of soil salinity.

To put into perspective the results of your tests, here are some common values:

The salinity of rainwater is less than 20 ppm (parts per million, also equal to mg/L as listed by some labs).

The salinity of fresh water is less than 1000 ppm.

The salinity of ocean water is 35,000 ppm.

Soil salinity is considered low if it measures 1-1000 ppm and moderate if 1000-2000 ppm. Most plants suffer injury if salinity is greater than 2000 ppm (3 dS/m), with sodium concentration greater than 70 ppm in the water and 230 ppm in the soil. Chloride levels need to remain below 350 ppm in water and 250 ppm in soil.

Conditions on the beach can involve soil salinity measures of 8-10 dS/m (5600-7000 ppm) or greater, and spray with 600 ppm sodium and 900 ppm of chloride.

-CONTINUED ON REVERSE-

If your tests reveal excessive salinity, there are several ways to alleviate it. The soil can be aerated and amended to improve drainage, leached to flush out salts from the root zone, and mulched to prevent evaporation and a build-up of salts. Fertilize only when a soil test determines you need it. Since most plants are more sensitive to salt spray than saline soils, use of drip or ground surface application of irrigation would be better than sprinklers. Plants can be washed off with fresh water after a storm. Finally, plants tolerant of salt conditions can be planted.

Even knowing the above values it can be difficult to relate test results to determine the exact plants that will thrive in your situation. Most references use an intuitive definition of salt tolerance based on whether a plant can withstand conditions within a certain proximity to the ocean. Although they are only descriptive, there is much consistency in the use of the definitions. Zone 1 plants (Tolerant or Highly Tolerant) should survive an exposed beach location with salt spray as occurs along dunes and immediately adjacent to the oceanfront. Zone 2 plants (Moderately Tolerant) tolerate some salt spray but grow best when protected by other plants, structures or dunes. Zone 3 plants (Slightly or Not Tolerant) should be protected and grown well back from exposed areas.

Recent studies have begun to determine the salt tolerance of plant species based on their reaction to levels of salinity in their irrigation water, soil and foliar spray. But because salt tolerance appears to be influenced by a variety of factors including soil pH, soil type, soil permeability, irrigation protocol, climate, plant age and the intensity of other stressors on the plant, the original method of observation and description is still valuable. The following list of salt tolerant plants for North Florida is a synthesis of approximately 20 reliable sources for the coastal southeast. Ratings of High/Mod, for example, mean that some rated the plant as highly tolerant and others as only moderately tolerant. Rockaway Garden Center's plant signs have icons identifying which plants are salt tolerant, but on signs we only include the more highly tolerant plants.



**Rockaway, Inc.'s Salt Tolerant Plant Identifier for Signage**

## **Salt Tolerant Plant List Begins on the Following Page**

Common Name	Latin Name	Plant Type	Salt Tolerance
Aloe	Aloe spp.	Succulent	High
Aloe - Burn	Aloe vera	Succulent	High
Amaryllis*	Hippeastrum cultivars	Perennial	High
Amistad Sage	Salvia 'Amistad'	Perennial	High
Angelina Sedum	Sedum rupestre 'Angelina'	Succulent	High
Anise Scented Sage	Salvia guaranitica	Perennial	High
Asparagus	Asparagus officinalis	Vegetable	High
Aster	Native Aster spp.	Perennial	High
Autumn Joy Sedum	Sedum spectabile 'Autumn Joy'	Succulent	High
Autumn Sage	Salvia greggii	Perennial	High
Beach Sunflower, Dune Sunflower	Helianthus debilis	Perennial	High
Bee Balm, Dotted Horsemint	Monarda punctata	Perennial	High
Bermuda Grass hybrids	Cynodon hybrids	Grass	High
Black-eyed Susan*	Rudbeckia hirta	Perennial	High
Black-eyed Susan, Orange Coneflower	Rudbeckia fulgida	Perennial	High
Burford Holly - Dwarf	Ilex cornuta 'Dwarf Burford'	Shrub	High
Canna Lily *	Canna sp.	Perennial	High
Cape Honeysuckle	Tecomaria capensis	Vine	High
Cardboard Palm	Zamia furfuracea	Palm	High
Century Plant	Agave americana, Agave spp.	Succulent	High
Chrysanthemum*	Chrysanthemum sp.	Perennial	High
Coontie	Zamia pumila; Z. floridana	Shrub	High
Dazzleberry Sedum	Sedum 'Dazzleberry'	Succulent	High
Devilwood	Osmanthus americanus	Tree	High
Dichondra - Emerald Falls, Silver Falls	Dichondra carolinensis; D. argentea; D. repens	Perennial	High
Dracaena - Song of India	Dracaena reflexa	Perennial	High
Dwarf Palmetto, Dwarf Sabal Palm	Sabal minor	Palm	High
Elaeagnus, Silverberry, Oleaster	Elaeagnus spp., E. x ebbingii	Shrub	High
Elaeagnus, Silverthorn	Elaeagnus pungens	Shrub	High
Garden Sage	Salvia officinalis	Perennial	High
Gaura*	Gaura lindheimeri	Perennial	High
Geranium - Ivy	Pelargonium peltatum	Grown as Annual	High
Goldenrod	Solidago native spp.	Perennial	High
Goldmoss Sedum	Sedum acre	Succulent	High
Hibiscus - Crimson-eyed Rosemallow	Hibiscus moscheutos	Shrub	High
Hibiscus - Swamp Rosemallow	Hibiscus grandiflorus	Shrub/Tree	High
Indigo Spires Sage	Salvia 'Indigo Spires'	Perennial	High
Jatropha	Jatropha hastata	Shrub	High
Juniper (also see specific Junipers)	Juniperus spp. (some)	Shrub/Tree	High
Lantana - Pineland	Lantana depressa	Shrub	High
Lion's Ear	Leonitis leonurus	Perennial	High
Live Oak	Quercus virginiana	Tree	High
Mahoe, Sea hibiscus	Hibiscus tiliaceus	Tree	High
Maiden Grass	Miscanthus sinensis	Grass	High
Marguerite Daisy	Argyranthemum frutescens	Grown as Annual	High
Mealycup Sage	Salvia farinacea	Perennial	High
Mexican Fan Palm	Washingtonia robusta	Palm	High
Million Bells	Calibrachoa sp.	Grown as Annual	High
Muhly Grass	Muhlenbergia capillaris	Grass	High

Natal Plum, Carissa Boxwood	Carissa grandiflora; C. macrocarpa	Shrub	High
Needlepoint Holly	I. cornuta 'Needlepoint'	Shrub/Tree	High
Norfolk Island Pine	Araucaria heterophylla	Tree	High
Oleander, Dwarf Oleander	Nerium oleander	Shrub	High
Opuntia, Prickly Pear Cactus	Opuntia spp.; O. compressa	Succulent	High
Pampas Grass	Cortaderia selloana	Grass	High
Panama Rose	Rondeletia leucophylla	Shrub	High
Parson's Juniper	Juniperus squamata 'Parsonii'	Shrub	High
Pittosporum - Dwarf	P.tobira 'Wheeler's Dwarf', 'Mojo','Cream de Mint'	Shrub	High
Ponytail Palm	Beaucarnea recurvata	Palm	High
Pothos - Golden	Epipremnum aureum	Vine	High
Purslane, Moss Rose, Portulaca	Portulaca spp.; P. oleracera; P. grandiflora	Succulent	High
Rain Lily	Zephyranthes sp.	Perennial	High
Red Bay	Persea borbonia	Tree	High
Rosemary - Creeping	Rosmarinus officinalis 'Prostratus'	Shrub	High
Salvia, Sage	native sp.	Perennial	High
Sand Live Oak	Quercus geminata	Tree	High
Saw Palmetto	Serenoa repens	Palm	High
Scarlet Sage, Tropical Sage*	Salvia splendens	Grown as Annual	High
Sea Grape	Coccoloba uvifera	Shrub	High
Sea Oats	Uniola paniculata	Grass	High
Seaside Goldenrod	Solidago sempervirens	Perennial	High
Seaside Paspalum - Dwarf	Paspalum vaginatum	Grass	High
Shasta Daisy	Leucanthemum x superbum	Perennial	High
Shore Juniper	Juniperus conferta	Shrub	High
Silver Buttonwood	Conocarpus sericeus	Tree	High
Silver Date Palm	Phoenix sylvestris	Palm	High
Simpson's Stopper	Myrcianthes fragrans	Shrub/Tree	High
Sky Pencil Holly	I. crenata 'Sky Pencil'	Shrub	High
Snake Plant	Sansevieria trifasciata	Perennial	High
Spider Lily	Hymenocallis spp.	Perennial	High
Spinach	Spinacia oleracea	Vegetable	High
Strawflower, Paper Daisy	Xerochrysum bracteatum	Grown as Annual	High
Vinca, Periwinkle*	Vinca major, Vinca minor	Vine	High
Virginia Creeper*	Parthenocissus quinquefolia	Vine	High
Waxmyrtle, Bayberry	Morella ( formerly Myrica) cerifera	Shrub/Tree	High
Yarrow - Woolly	Achillea tomentosa	Perennial	High
Yaupon Holly - Weeping	Ilex vomitoria 'Pendula'	Shrub	High
Yellow Alder, Buttercup	Turnera ulmifolia	Shrub	High
Yucca	Yucca spp. (most)	Succulent	High
Yucca - Adam's Needle	Yucca smalliana	Succulent	High
Yucca - Spanish Bayonet	Yucca aloifolia, Y. filamentosa	Succulent	High
Yucca - Spanish Dagger	Yucca gloriosa	Succulent	High
Zebra Grass	Miscanthus sinensis 'Zebrinus'	Grass	High
Acacia - Sweet	Acacia farnesiana	Tree	Mod/High
African Daisy	Osteospermum fruticosum	Perennial	Mod/High
Algerian Ivy	Hedera canariensis	Vine	Mod/High
Allamanda	Allamanda spp.	Vine	Mod/High
American Holly	Ilex opaca	Shrub/Tree	Mod/High
Areca Palm	Dyopsis lutescens	Palm	Mod/High
Asiatic Jasmine*	Trachelospermum asiaticum	Vine	Mod/High

Asparagus Fern	Asparagus densiflorus 'Sprengeri'	Perennial	Mod/High
Baby Sun Rose	Aptenia cordifolia	Succulent	Mod/High
Bamboo	Bambusa spp. (clumping)	Bamboo	Mod/High
Beach Evening Primrose	Oenothera drummondii	Perennial	Mod/High
Beach Rosemary	Conradina canescens	Shrub	Mod/High
Beautyberry - American*	Callicarpa americana	Shrub	Mod/High
Beets	Beta vulgaris	Vegetable	Mod/High
Begonia - Wax*	Begonia cucullata	Perennial	Mod/High
Bermuda Grass	Cynodon dactylon	Grass	Mod/High
Bismarck Palm	Bismarckia nobilis	Palm	Mod/High
Blanket Flower, Gaillardia	Gaillardia pulchella	Annual	Mod/High
Blanket Flower, Gaillardia	Gaillardia x grandiflora	Perennial	Mod/High
Blue Daze	Evolvulus glomeratus	Grown as Annual	Mod/High
Blue Pacific Juniper	Juniperus conferta 'Blue Pacific' and cvs.	Shrub	Mod/High
Bottlebrush	Callistemon spp. (except C. rigidus)	Shrub/Tree	Mod/High
Bottlebrush - Red or Lemon	Callistemon citrinus	Shrub/Tree	Mod/High
Bougainvillea	Bougainvillea spp.	Vine	Mod/High
Bush Daisy*	Euryops pectinatus	Shrub	Mod/High
Cabbage Palm, Sabal Palm, Palmetto*	Sabal palmetto	Palm	Mod/High
Canary Island Date Palm	Phoenix canariensis	Palm	Mod/High
Carissa Holly	Ilex cornuta 'Carissa'	Shrub	Mod/High
Carolina Jessamine*	Gelsemium sempervirens	Vine	Mod/High
Cassia, Candle Bush, Senna	Cassia spp.; C. alata; C. corymbosa	Shrub/Tree	Mod/High
Chaste Tree*	Vitex agnus-castus	Tree	Mod/High
Chinese Fan Palm	Livistona chinensis	Palm	Mod/High
Chinese Windmill Palm*	Trachycarpus fortunei	Palm	Mod/High
Coleus	Plectranthus scutellarioides (but hybrid dependant)	Grown as Annual	Mod/High
Confederate Jasmine*	Trachelospermum jasminoides	Vine	Mod/High
Copperleaf*	Acalypha wilkesiana	Shrub	Mod/High
Coral Bean	Erythrina herbacea	Shrub	Mod/High
Coreopsis, Tickseed	Coreopsis native spp.	Perennial	Mod/High
Creeping Fig, Climbing Fig	Ficus pumila	Vine	Mod/High
Crown-of-thorns	Euphorbia milii	Succulent	Mod/High
Date Palm	Phoenix dactylifera	Palm/Fruit	Mod/High
Daylily	Hemerocallis spp.	Perennial	Mod/High
Dusty Miller	Jacobaea maritima	Grown as Annual	Mod/High
European/Mediterranean Fan Palm	Chaemerops humilis	Palm	Mod/High
Firecracker Plant	Russelia equisetiformis	Shrub	Mod/High
Gazania Daisy	Gazania spp.	Perennial	Mod/High
Geranium*	Pelargonium spp. (some)	Grown as Annual	Mod/High
Hibiscus - Tropical	Hibiscus rosa-sinensis	Shrub	Mod/High
Indian Hawthorn	Rhaphiolepis indica and cultivars	Shrub	Mod/High
Inkberry, Gallberry	Ilex glabra, I. coriacea	Shrub	Mod/High
Ivy - English*	Hedera helix	Vine	Mod/High
Japanese/Southern Yew, Podocarpus	Podocarpus spp. and cultivars; P. macrophyllus 'Maki'	Shrub/Tree	Mod/High
Jerusalem Thorn	Parkinsonia aculeata	Tree	Mod/High
Lantana - Bushy	Lantana camara	Shrub	Mod/High
Lantana - Trailing, Weeping	Lantana montevidensis	Shrub	Mod/High
Lavender Cotton	Santolina incana	Perennial	Mod/High
Leyland Cypress*	Cupressus x leylandii	Tree	Mod/High
Ligustrum, Privet, Japanese Privet	L. japonicum and cultivars	Shrub/Tree	Mod/High

Liriope - Creeping	Liriope spicata	Perennial	Mod/High
Liriope, Lilyturf	Liriope spp.	Perennial	Mod/High
Loquat	Eriobotrya japonica	Tree	Mod/High
Magnolia - Southern*	Magnolia grandiflora	Tree	Mod/High
Marigold	Calendula spp. (some)	Annual	Mod/High
Mexican Sage, Mexican Bush Sage	Salvia leucantha	Perennial	Mod/High
Mexican Sunflower	Tithonia rotundifolia	Annual	Mod/High
Mondo Grass	Ophiopogon japonicus and cultivars	Perennial	Mod/High
Montauk Daisy	Nipponantheum nipponicum	Perennial	Mod/High
Morning Glory, Beach Morning Glory	Ipomoea spp.	Vine	Mod/High
Needle Palm	Rhapidophyllum hystrix	Palm	Mod/High
Ornamental Cabbage/Kale	Brassica oleracea	Ann/Bien/Per	Mod/High
Ornamental Okra	Abelmoschus moschatus	Perennial	Mod/High
Perennial Peanut	Arachis glabrata	Perennial	Mod/High
Petunia*	Petunia hybrids	Grown as Annual	Mod/High
Phlox	Phlox spp.	Ann/Per	Mod/High
Phoenix Palm	Phoenix spp. (some)	Palm	Mod/High
Pindo Palm*	Butia capitata	Palm	Mod/High
Pittosporum, Japanese Pittosporum	Pittosporum tobira cultivars and varieties	Shrub	Mod/High
Porterweed - Blue	Stachytarpheta jamaicensis	Shrub	Mod/High
Powder Puff	Mimosa strigillosa	Perennial	Mod/High
Purple Queen, Purple Heart	Tradescantia pallida	Perennial	Mod/High
Queen Palm	Syagrus romanzoffiana	Palm	Mod/High
Red Cedar - Eastern	Juniperus virginiana	Tree	Mod/High
Red Cedar - Southern	Juniperus silicicola	Tree	Mod/High
Rose verbena	Verbena canadensis	Perennial	Mod/High
Rosemary	Rosmarinus officinalis	Shrub	Mod/High
Periwinkle, Rosy	Catharanthus roseus	Perennial	Mod/High
Rugosa Rose	Rosa rugosa	Shrub	Mod/High
Sago Palm	Cycas revoluta	Palm	Mod/High
Salvia, Sage (also see specific Sages)	Salvia spp. (some)	Perennial	Mod/High
Sand Cordgrass	Spartina bakeri	Grass	Mod/High
Snap Dragon	Antirrhinum majus	Grown as Annual	Mod/High
Spiraea*	Spiraea sp.	Shrub	Mod/High
St. Augustinegrass	Stenotaphrum secundatum	Grass	Mod/High
Sweet Bay, Sweet Bay Laurel	Magnolia virginiana	Tree	Mod/High
Tabebuia, Silver Trumpet Tree	Tabebuia argentea	Tree	Mod/High
Texas Sage	Leucophyllum frutescens	Shrub	Mod/High
Viburnum - Sandwanka	Viburnum suspensum	Shrub	Mod/High
Washington Palm	Washingtonia spp.	Palm	Mod/High
Yaupon Holly	Ilex vomitoria and cultivars	Shrub/Tree	Mod/High
Yaupon Holly - Dwarf	Ilex vomitoria 'Nana', 'Bordeaux', 'Schilling's'	Shrub	Mod/High
Yellow Elder, Yellow Bells*	Tecoma stans	Shrub	Mod/High
Yucca - Spineless	Yucca elephantipes	Succulent	Mod/High
Zinnia - Narrow-leaved	Zinnia angustifolia	Annual	Mod/High
Zoysia	Zoysia spp.	Grass	Mod/High
Abelia*	Abelia grandiflora	Shrub	Moderate
African Iris	Dietes iridioides	Perennial	Moderate
Agapanthus, Lily of the Nile*	Agapanthus africanus	Perennial	Moderate
Agastache, Hummingbird Mint	Agastache cultivars	Perennial	Moderate
Ageratum, Floss Flower	Ageratum cultivars	Annual	Moderate

Alyssum	Alyssum sp.	Grown as Annual	Moderate
Amaranth	Amaranthus sp.	Annual	Moderate
American Elm	Ulmus americana	Tree	Moderate
Angel Trumpet	Brugmansia sp.	Shrub/Tree	Moderate
Angelonia	Angelonia angustifolia	Grown as Annual	Moderate
Anise - Yellow	Illicium parviflorum (other species may be sensitive)	Shrub	Moderate
Arbequina Olive	Olea europaea 'Arbequina'	Tree/Fruit	Moderate
Arborvitae*	Thuja spp.	Shrub	Moderate
Artemesia - Powis Castle	Artemesia x 'Powis Castle'	Perennial	Moderate
Artemesia - Silver King	Artemesia ludoviciana 'Silver King'	Perennial	Moderate
Artemesia, Wormwood	Artemesia sp.	Perennial	Moderate
Aucuba, Japanese/Dwarf Aucuba	Aucuba japonica; A. j. 'Nana'	Shrub	Moderate
Azalea - Gumpo series*	Rhododendron 'Gumpo' cultivars	Shrub	Moderate
Azalea - Southern Indica varieties*	R. indicum 'Formosa', 'G.G.Gerbing', 'George Tabor'	Shrub	Moderate
Bahia Grass	Paspalum notatum	Grass	Moderate
Bald Cypress*	Taxodium distichum	Tree	Moderate
Balloon Flower	Platycodon grandiflorus	Perennial	Moderate
Bamboo - Hedge	Bambusa multiplex	Bamboo	Moderate
Banana Shrub	Michelia figo	Shrub	Moderate
Barbados Cherry	Malpighia glabra	Shrub/Tree	Moderate
Bee Balm	Monarda didyma*	Perennial	Moderate
Bird of Paradise - Orange*	Strelitzia reginae	Perennial	Moderate
Bird of Paradise - White*	Strelitzia nicolai	Perennial	Moderate
Black-eyed Susan - Goldsturm	Rudbeckia fulgida 'Goldsturm'	Perennial	Moderate
Bleeding Heart Vine*	Clerodendron thomsoniae	Vine	Moderate
Blue Point Juniper	Juniperus chinensis 'Blue Point'	Tree	Moderate
Bottlebrush - Stiff	Callistemon rigidus	Shrub/Tree	Moderate
Boxwood*	Buxus spp.; B. microphylla	Shrub	Moderate
Bromeliad	Bromeliaceae spp.	Perennial	Moderate
Bulbine	Bulbine frutescens	Succulent	Moderate
Burford Holly*	Ilex cornuta 'Burfordii'	Shrub/Tree	Moderate
Butterfly Bush	Buddleia davidii*	Shrub	Moderate
Butterfly Bush - Pale	Buddleia officinalis	Shrub	Moderate
Butterfly Bush - Weeping	Buddleia lindleyana	Shrub	Moderate
Calamondin orange	Citrus x microcarpa	Tree	Moderate
Cardinal Flower	Lobelia cardinalis	Perennial	Moderate
Carolina Cherrylaurel	Prunus caroliniana	Tree	Moderate
Carrot	Daucus carota	Vegetable	Moderate
Cast Iron Plant*	Aspidistra elatior	Perennial	Moderate
Celosia	Celosia sp.	Annual	Moderate
Chenille Plant	Acalypha hispida	Shrub	Moderate
Chinese Holly*	Ilex cornuta	Shrub/Tree	Moderate
Chinese Juniper	Juniperus chinensis cultivars and varieties	Shrub	Moderate
Cigar Plant	Cuphea ignea	Shrub	Moderate
Citrus*	Citrus spp.	Tree	Moderate
Coast Rosemary	Westringia fruticosa cultivars 'Mundi' and 'Naringa'	Shrub	Moderate
Coneflower - Purple	Echinacea purpurea	Perennial	Moderate
Cosmos	Cosmos spp.	Ann/Per	Moderate
Crape Myrtle*	Lagerstroemia spp.; L. indica; L. faurei	Shrub/Tree	Moderate
Creeping Juniper	Juniperus horizontalis and cultivars	Shrub	Moderate
Crinum Lily	Crinum spp.	Perennial	Moderate

Cross Vine	<i>Bignonia capreolata</i>	Vine	Moderate
Croton*	<i>Codiaeum variegatum</i>	Shrub	Moderate
Cucumber	<i>Cucumis sativus</i>	Fruit	Moderate
Dahlberg Daisy, Golden Fleece	<i>Thymophylla tenuiloba</i>	Annual	Moderate
Dahoon Holly	<i>Ilex cassine</i>	Tree	Moderate
Daphne	<i>Daphne odora</i>	Shrub	Moderate
Deodar Cedar	<i>Cedrus deodora</i>	Tree	Moderate
Desert Rose	<i>Adenium obesum</i>	Succulent	Moderate
Dianthus, Pinks, Sweet William	<i>Dianthus</i> spp. (some); <i>D. gratianopolitanus</i>	Ann/Bien/Per	Moderate
Dipladenia	<i>Dipladenia sanderi</i>	Vine	Moderate
Dracaena	<i>Dracaena</i> spp.	Perennial	Moderate
Drake Elm	<i>Ulmus parvifolia</i> 'Drake'	Tree	Moderate
Duranta, Golden Dewdrop, Sky Flower	<i>Duranta erecta</i>	Shrub	Moderate
East Palatka Holly	<i>Ilex x attenuata</i> 'East Palatka'	Tree	Moderate
Eucalyptus, Silver Dollar Tree	<i>Eucalyptus cinerea</i>	Tree	Moderate
Fakahatchee Grass	<i>Tripsacum dactyloides</i> and cultivars	Grass	Moderate
Fatshedera, Tree Ivy	<i>X Fatshedera lizei</i>	Shrub/Vine	Moderate
Fatsia	<i>Fatsia japonica</i>	Shrub	Moderate
Felicia	<i>Felicia amelloides</i>	Grown as Annual	Moderate
Fiddleleaf Fig	<i>Ficus lyrata</i>	Tree	Moderate
Fig - Common	<i>Ficus carica</i>	Shrub/Fruit	Moderate
Firebush*	<i>Hamelia patens</i>	Shrub	Moderate
Fire-thorn, Pyracantha	<i>Pyracantha coccinea</i>	Shrub	Moderate
Fishtail Palm	<i>Caryota mitis</i>	Palm	Moderate
Fountain Grass	<i>Pennisetum</i> spp.; <i>P. setaceum</i>	Grass	Moderate
Foxtail Fern	<i>Asparagus meyerii</i>	Perennial	Moderate
Gardenia*	<i>Gardenia jasminoides</i> ; <i>G. augusta</i>	Shrub	Moderate
Gerbera Daisy*	<i>Gerbera jamesonii</i>	Perennial	Moderate
Ginger Lily	<i>Hedychium</i> spp., hybrids and cultivars	Perennial	Moderate
Ginkgo, Maidenhair Tree*	<i>Ginkgo biloba</i>	Tree	Moderate
Golden Rain Tree - Southern	<i>Koelreuteria bipennata</i> ; <i>K. elegans</i>	Tree	Moderate
Gomphrena, Globe Amaranth	<i>Gomphrena globosa</i>	Annual	Moderate
Hen and Chicks	<i>Sempervivum tectorum</i>	Succulent	Moderate
Hibiscus - Scarlet Rosemallow	<i>Hibiscus coccineus</i>	Shrub	Moderate
Holly Fern	<i>Cyrtomium falcatum</i>	Fern	Moderate
Hollywood Juniper	<i>Juniperus chinensis</i> 'Kaizuka'; <i>J. c.</i> 'Torulosa'	Tree	Moderate
Honeysuckle - Coral	<i>Lonicera sempervirens</i>	Vine	Moderate
Honeysuckle - Goldflame	<i>Lonicera x heckrottii</i>	Vine	Moderate
Honeysuckle - Japanese*	<i>Lonicera japonica</i>	Vine	Moderate
Hummingbird Plant	<i>Dicliptera suberecta</i>	Perennial	Moderate
Hydrangea - Bigleaf	<i>Hydrangea macrophylla</i> (many cultivars)	Shrub	Moderate
Ice Plant	<i>Delosperma cooperi</i> ; <i>D. nubigenum</i>	Succulent	Moderate
Italian Cypress*	<i>Cupressus sempervirens</i>	Tree	Moderate
Ixora	<i>Ixora coccinea</i>	Shrub	Moderate
Jacobinia	<i>Justicia carnea</i>	Shrub	Moderate
Jade Plant	<i>Crassula argentea</i>	Succulent	Moderate
Japanese Garden Juniper - Dwarf	<i>Juniperus procumbens</i> 'Nana'	Shrub	Moderate
Japanese Snowbell	<i>Styrax japonicus</i>	Tree	Moderate
Japanese Yew, Podocarpus - Weeping	<i>Podocarpus gracilior</i>	Tree	Moderate
Joseph's Coat	<i>Alternanthera ficoidea</i>	Grown as Annual	Moderate
Kalanchoe	<i>Kalanchoe</i> spp.	Succulent	Moderate



Kumquat	<i>Citrus japonica</i>	Tree/Fruit	Moderate
Lacebark Elm	<i>Ulmus parvifolia</i>	Tree	Moderate
Lady Banks Rose	<i>Rosa banksiae</i> 'Lutea'	Shrub/Vine	Moderate
Lady Palm	<i>Rhapis excelsa</i>	Palm	Moderate
Laurel Oak*	<i>Q. laurifolia</i>	Tree	Moderate
Lemongrass	<i>Cymbopogon citratus</i>	Grass	Moderate
Ligustrum, Privet, Glossy Privet	<i>Ligustrum</i> spp.; <i>L. lucidum</i>	Shrub/Tree	Moderate
Liriope, Lilyturf	<i>L. muscari</i> and cultivars	Perennial	Moderate
Lisianthus	<i>Eustoma grandiflorum</i>	Ann/Bien	Moderate
Lobelia	<i>Lobelia</i> sp.	Ann/Per	Moderate
Magnolia - Little Gem	<i>Magnolia grandiflora</i> 'Little Gem'	Tree	Moderate
Mahonia	<i>Mahonia</i> spp.; <i>M. fortunei</i> ; <i>M. bealei</i>	Shrub	Moderate
Maidenhair Fern - Southern	<i>Adiantum capillus-veneris</i>	Fern	Moderate
Mandevilla	<i>Mandevilla</i> spp.; <i>M. splendens</i>	Vine	Moderate
Mary Nell Holly	<i>Ilex</i> 'Mary Nell'	Shrub/Tree	Moderate
Melampodium, Butter Daisy	<i>Melampodium divaricatum</i>	Perennial	Moderate
Mexican Flame Vine	<i>Senecio confusus</i>	Vine	Moderate
Mexican Heather	<i>Cuphea hyssopifolia</i>	Perennial	Moderate
Milkweed, Butterfly Weed	<i>Asclepias tuberosa</i>	Perennial	Moderate
Mint	<i>Mentha</i> spp.	Herb	Moderate
Mulberry	<i>Morus alba</i>	Tree	Moderate
Myrtle	<i>Myrtis communis</i>	Shrub	Moderate
Onion	<i>Allium cepa</i>	Vegetable	Moderate
Ornamental Millet	<i>Pennisetum glaucum</i>	Grass	Moderate
Ornamental Pepper	<i>Capsicum annuum</i>	Grown as Annual	Moderate
Oyster Plant	<i>Rhoeo spathacea</i>	Perennial	Moderate
Papyrus	<i>Cyperus papyrus</i>	Sedge	Moderate
Papyrus - Umbrella	<i>Cyperus alternifolius</i>	Sedge	Moderate
Passion Vine, Passion Flower	<i>Passiflora</i> spp.; <i>P. incarnata</i> *	Vine	Moderate
Pentas	<i>Pentas</i> spp.; <i>P. lanceolata</i>	Perennial	Moderate
Persian Shield, Strobe Plant	<i>Strobilanthes dyeriana</i>	Perennial	Moderate
Pineapple Guava, Feijoa	<i>Acca sellowiana</i>	Shrub	Moderate
Pinecone Ginger	<i>Zingiber zerumbet</i>	Perennial	Moderate
Pinwheel Jasmine	<i>Tabernaemontana divaricata</i>	Shrub	Moderate
Plumbago	<i>Plumbago auriculata</i>	Shrub	Moderate
Potato	<i>Solanum tuberosum</i>	Vegetable	Moderate
Princess Flower, Tibouchina*	<i>Tibouchina</i> spp.	Shrub	Moderate
Pygmy Date Palm	<i>Phoenix roebelenii</i>	Palm	Moderate
Red Buckeye	<i>Aesculus pavia</i>	Tree	Moderate
Red False Aloe*	<i>Hesperaloe parviflora</i>	Succulent	Moderate
River Birch	<i>Betula nigra</i>	Tree	Moderate
Rose of Sharon	<i>Hibiscus syriacus</i>	Shrub	Moderate
Rose* (also see specific Roses)	<i>Rosa</i> spp. (much variation)	Shrub	Moderate
Rubber Plant	<i>Ficus elastica</i>	Tree	Moderate
Ruellia, Mexican Petunia	<i>Ruellia</i> spp.	Perennial	Moderate
Russian Olive	<i>Elaeagnus angustifolia</i>	Tree	Moderate
Russian Sage	<i>Perovskia atriplicifolia</i>	Perennial	Moderate
Schefflera, Arboricola	<i>Schefflera arboricola</i>	Shrub	Moderate
Shell Ginger	<i>Alpinia zerumbet</i> ; <i>A. nutans</i>	Perennial	Moderate
Showy Jasmine	<i>Jasminum floridum</i>	Shrub	Moderate
Shrimp Plant*	<i>Justicia brandegeana</i>	Shrub	Moderate

Society Garlic*	Tulbughia violacea	Perennial	Moderate
Sourwood	Oxydendrum arboreum	Tree	Moderate
Southern Red Oak, Turkey Oak	Quercus falcata	Tree	Moderate
Spiral Ginger*	Costus barbatus	Perennial	Moderate
Split-leaf Philodendron	Philodendron selloum	Perennial	Moderate
Squash	Cucurbita sp.	Vegetable	Moderate
Sweet Flag	Acorus gramineus	Perennial	Moderate
Sweet Pepperbush	Clethra alnifolia	Shrub	Moderate
Sword Fern	Nephrolepis exaltata	Fern	Moderate
Tabebuia, Golden Trumpet Tree	Tabebuia spp.; T. chrysotricha	Tree	Moderate
Thryallis	Galphimia gracillis	Shrub	Moderate
Ti Plant	Cordyline spp.; C. terminalis	Perennial	Moderate
Tomato	Solanum lycopersicum	Fruit	Moderate
Trumpet Vine, Trumpet Creeper*	Campsis radicans	Vine	Moderate
Turk's Clap	Malvaviscus arboreus; M. drummondii	Shrub	Moderate
Upland Laurel Oak	Quercus hemisphaerica	Tree	Moderate
Viburnum	Viburnum spp. (except V. obovatum may be sensitive)	Shrub	Moderate
Viburnum - Sweet	Viburnum odoratissimum	Shrub	Moderate
Violet	Viola floridana	Perennial	Moderate
Wandering Jew	Tradescantia zebrina	Perennial	Moderate
Water Oak	Quercus nigra	Tree	Moderate
Wax Plant	Hoya carnosa	Succulent	Moderate
Winged Elm	Ulmus alata	Tree	Moderate
Yarrow - Common	Achillea millefolium	Perennial	Moderate
Yarrow - Fern Leaf	Achillea filipendulina	Perennial	Moderate
Yesterday, Today and Tomorrow	Brunfelsia pauciflora; (B. grandiflora sensitive)	Shrub	Moderate

\* Also listed as Sensitive to saline soil or spray by a source.