

# Florida Exotic Pest Plant Council's 2011 List of Invasive Plant Species

**Purpose of the List:** *To focus attention on —*

- ▶ the adverse effects exotic pest plants have on Florida's biodiversity and native plant communities,
- ▶ the habitat losses in natural areas from exotic pest plant infestations,
- ▶ the impacts on endangered species via habitat loss and alteration,
- ▶ the need for pest-plant management,
- ▶ the socio-economic impacts of these plants (e.g., increased wildfires or flooding in certain areas),
- ▶ changes in the severity of different pest plant infestations over time,
- ▶ providing information to help managers set priorities for research and control programs.

## CATEGORY I

Invasive exotics that are altering native plant communities by displacing native species, changing community structures or ecological functions, or hybridizing with natives. *This definition does not rely on the economic severity or geographic range of the problem, but on the documented ecological damage caused.*

| Scientific Name                                                                                             | Common Name                                    | FLEPPC Cat. | Gov. List | Reg. Dist. |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------|-----------|------------|
| <i>Abrus precatorius</i>                                                                                    | rosary pea                                     | I           | N         | C, S       |
| <i>Acacia auriculiformis</i>                                                                                | earleaf acacia                                 | I           |           | C, S       |
| <i>Albizia julibrissin</i>                                                                                  | mimosa, silk tree                              | I           |           | N, C       |
| <i>Albizia lebbbeck</i>                                                                                     | woman's tongue                                 | I           |           | C, S       |
| <i>Ardisia crenata</i> ( <i>A. crenulata</i> misapplied)                                                    | coral ardisia                                  | I           |           | N, C, S    |
| <i>Ardisia elliptica</i> ( <i>A. humilis</i> misapplied)                                                    | shoebutton ardisia                             | I           | N         | C, S       |
| <i>Asparagus aethiopicus</i> ( <i>A. sprengeri</i> ; <i>A. densiflorus</i> misapplied)                      | asparagus-fern                                 | I           |           | N, C, S    |
| <i>Bauhinia variegata</i>                                                                                   | orchid tree                                    | I           |           | C, S       |
| <i>Bischofia javanica</i>                                                                                   | bishopwood                                     | I           |           | C, S       |
| <i>Calophyllum antillanum</i> ( <i>C. calaba</i> and <i>C. inophyllum</i> misapplied)                       | santa maria, mast wood, Alexandrian laurel     | I           |           | S          |
| <i>Casuarina equisetifolia</i>                                                                              | Australian-pine, beach sheoak                  | I           | P, N      | N, C, S    |
| <i>Casuarina glauca</i>                                                                                     | suckering Australian-pine, gray sheoak         | I           | P, N      | C, S       |
| <i>Cinnamomum camphora</i>                                                                                  | camphor tree                                   | I           |           | N, C, S    |
| <i>Colocasia esculenta</i>                                                                                  | wild taro                                      | I           |           | N, C, S    |
| <i>Colubrina asiatica</i>                                                                                   | lather leaf                                    | I           | N         | S          |
| <i>Cupaniopsis anacardioides</i>                                                                            | carrotwood                                     | I           | N         | C, S       |
| <i>Deparia petersenii</i>                                                                                   | Japanese false spleenwort                      | I           |           | N, C       |
| <i>Dioscorea alata</i>                                                                                      | winged yam                                     | I           | N         | N, C, S    |
| <i>Dioscorea bulbifera</i>                                                                                  | air-potato                                     | I           | N         | N, C, S    |
| <i>Eichhornia crassipes</i>                                                                                 | water-hyacinth                                 | I           | P         | N, C, S    |
| <i>Eugenia uniflora</i>                                                                                     | Surinam cherry                                 | I           |           | C, S       |
| <i>Ficus microcarpa</i> ( <i>F. nitida</i> and <i>F. retusa</i> var. <i>nitida</i> misapplied) <sup>1</sup> | laurel fig                                     | I           |           | C, S       |
| <i>Hydrilla verticillata</i>                                                                                | hydrilla                                       | I           | P, U      | N, C, S    |
| <i>Hygrophila polysperma</i>                                                                                | green hygro                                    | I           | P, U      | N, C, S    |
| <i>Hymenachne amplexicaulis</i>                                                                             | West Indian marsh grass                        | I           |           | N, C, S    |
| <i>Imperata cylindrica</i> ( <i>I. brasiliensis</i> misapplied)                                             | cogon grass                                    | I           | N, U      | N, C, S    |
| <i>Ipomoea aquatica</i>                                                                                     | water-spinach                                  | I           | P, U      | C          |
| <i>Jasminum dichotomum</i>                                                                                  | Gold Coast jasmine                             | I           |           | C, S       |
| <i>Jasminum fluminense</i>                                                                                  | Brazilian jasmine                              | I           |           | C, S       |
| <i>Lantana camara</i> (= <i>L. strigocamara</i> )                                                           | lantana, shrub verbena                         | I           |           | N, C, S    |
| <i>Ligustrum lucidum</i>                                                                                    | glossy privet                                  | I           |           | N, C       |
| <i>Ligustrum sinense</i>                                                                                    | Chinese privet, hedge privet                   | I           |           | N, C, S    |
| <i>Lonicera japonica</i>                                                                                    | Japanese honeysuckle                           | I           |           | N, C, S    |
| <i>Ludwigia peruviana</i>                                                                                   | Peruvian primrosewillow                        | I           |           | N, C, S    |
| <i>Lumnitzera racemosa</i>                                                                                  | kripa; white-flowered mangrove; black mangrove | I           |           | S          |
| <i>Luziola subintegra</i>                                                                                   | Tropical American water grass                  | I           |           | S          |
| <i>Lygodium japonicum</i>                                                                                   | Japanese climbing fern                         | I           | N         | N, C, S    |
| <i>Lygodium microphyllum</i>                                                                                | Old World climbing fern                        | I           | N, U      | C, S       |

<sup>1</sup>Does not include *Ficus microcarpa* subsp. *fuyuensis*, which is sold as "Green Island Ficus"

## FLEPPC List Definitions:

**Exotic** – a species introduced to Florida, purposefully or accidentally, from a natural range outside of Florida.

**Native** – a species whose natural range includes Florida.

**Naturalized exotic** – an exotic that sustains itself outside cultivation (it is still exotic; it has not "become" native).

**Invasive exotic** – an exotic that not only has naturalized, but is expanding on its own in Florida native plant communities.

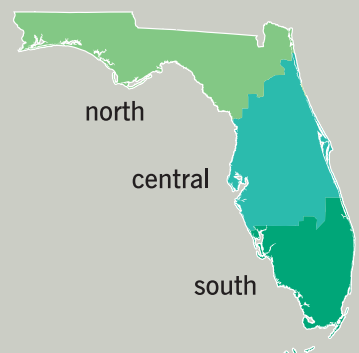
## Abbreviations:

Government List (Gov. List):  
P = Prohibited aquatic plant by the Florida Department of Agriculture and Consumer Services;

N = Noxious weed listed by Florida Department of Agriculture & Consumer Services;

U = Noxious weed listed by U.S. Department of Agriculture.

Regional Distribution (Reg. Dist.):  
N = north, C = central, S = south, referring to each species' current distribution in general regions of Florida (not its potential range in the state). Please refer to the map below.



# Changes to the 2011 List:

## New Listings to Category I:

***Deparia petersenii***  
(Japanese false spleenwort)  
Documented in numerous near exotic-free ravines in the central panhandle, it is displacing native flora and likely insect populations because it forms extremely dense colonies. Documented in seven Florida counties.

***Lumnitzera racemosa***  
(black mangrove)  
This Asian mangrove has spread abundantly following plantings at Fairchild Tropical Botanical Garden in Miami-Dade County between 1966 and 1971. The species subsequently spread into mangrove forests at Fairchild and the adjacent Matheson Hammock Park, infesting 19 acres with stem densities exceeding that of native mangrove species. Looks very similar to the protected native white mangrove (*Laguncularia racemosa*).

***Phymatosorus scolopendria***  
(serpent fern, wart fern)  
This fern, native to tropical Asia, Africa, and Polynesia, has been documented naturalizing in three south Florida counties. It is invading rockland hammocks and forested wetlands where it displaces native understory species including endangered ferns.

## New Listings to Category II:

***Ardisia japonica*** (Japanese ardisia)  
*Ardisia japonica* is a plant species from Japan. Thirteen populations have been located in San Felasco Hammock in Alachua County, two more at the Loblolly Nature Center in Gainesville, and another one containing 3,000 to 4,000 plants in Florida Caverns State Park in the Florida panhandle. All of the infestations are in undisturbed mature upland hardwood forest with healthy, diverse ground cover that is displaced as it spreads by underground rhizomes. Fruits collected from these populations produced viable seedlings.

| Scientific Name                                                                | Common Name                                        | FLEPPC Cat. | Gov. List | Reg. Dist. |
|--------------------------------------------------------------------------------|----------------------------------------------------|-------------|-----------|------------|
| <i>Macfadyena unguis-cati</i>                                                  | cat's claw vine                                    | I           |           | N, C, S    |
| <i>Manilkara zapota</i>                                                        | sapodilla                                          | I           |           | S          |
| <i>Melaleuca quinquenervia</i>                                                 | melaleuca, paper bark                              | I           | P, N, U   | C, S       |
| <i>Melinis repens</i> (= <i>Rhynchelytrum repens</i> )                         | Natal grass                                        | I           |           | N, C, S    |
| <i>Mimosa pigra</i>                                                            | catclaw mimosa                                     | I           | P, N, U   | C, S       |
| <i>Nandina domestica</i>                                                       | nandina, heavenly bamboo                           | I           |           | N, C       |
| <i>Nephrolepis brownii</i> (= <i>N. multiflora</i> )                           | Asian sword fern                                   | I           |           | C, S       |
| <i>Nephrolepis cordifolia</i>                                                  | sword fern                                         | I           |           | N, C, S    |
| <i>Neyraudia reynaudiana</i>                                                   | Burma reed, cane grass                             | I           | N         | S          |
| <i>Nymphoides cristata</i>                                                     | snowflake                                          | I           |           | C, S       |
| <i>Paederia cruddasiana</i>                                                    | sewer vine, onion vine                             | I           | N         | S          |
| <i>Paederia foetida</i>                                                        | skunk vine                                         | I           | N         | N, C, S    |
| <i>Panicum repens</i>                                                          | torpedo grass                                      | I           |           | N, C, S    |
| <i>Pennisetum purpureum</i>                                                    | Napier grass                                       | I           |           | N, C, S    |
| <i>Phymatosorus scolopendria</i>                                               | serpent fern, wart fern                            | I           |           | S          |
| <i>Pistia stratiotes</i>                                                       | water-lettuce                                      | I           | P         | N, C, S    |
| <i>Psidium cattleianum</i> (= <i>P. littorale</i> )                            | strawberry guava                                   | I           |           | C, S       |
| <i>Psidium guajava</i>                                                         | guava                                              | I           |           | C, S       |
| <i>Pueraria montana</i> var. <i>lobata</i> (= <i>P. lobata</i> )               | kudzu                                              | I           | N         | N, C, S    |
| <i>Rhodomyrtus tomentosa</i>                                                   | downy rose-myrtle                                  | I           | N         | C, S       |
| <i>Rhynchelytrum repens</i> (See <i>Melinis repens</i> )                       |                                                    |             |           |            |
| <i>Ruellia simplex</i> <sup>2</sup>                                            | Mexican petunia                                    | I           |           | N, C, S    |
| <i>Salvinia minima</i>                                                         | water spangles                                     | I           |           | N, C, S    |
| <i>Sapium sebiferum</i> (= <i>Triadica sebifera</i> )                          | popcorn tree, Chinese tallow tree                  | I           | N         | N, C, S    |
| <i>Scaevola taccada</i><br>(= <i>Scaevola sericea</i> , <i>S. frutescens</i> ) | scaevola, half-flower, beach naupaka               | I           | N         | C, S       |
| <i>Schefflera actinophylla</i><br>(= <i>Brassaia actinophylla</i> )            | schefflera, Queensland umbrella tree               | I           |           | C, S       |
| <i>Schinus terebinthifolius</i>                                                | Brazilian-pepper                                   | I           | P, N      | N, C, S    |
| <i>Scleria lacustris</i>                                                       | Wright's nutrush                                   | I           |           | C, S       |
| <i>Senna pendula</i> var. <i>glabrata</i><br>(= <i>Cassia coluteoides</i> )    | climbing cassia, Christmas cassia, Christmas senna | I           |           | C, S       |
| <i>Solanum tampicense</i> (= <i>S. houstonii</i> )                             | wetland nightshade, aquatic soda apple             | I           | N, U      | C, S       |
| <i>Solanum viarum</i>                                                          | tropical soda apple                                | I           | N, U      | N, C, S    |
| <i>Syngonium podophyllum</i>                                                   | arrowhead vine                                     | I           |           | N, C, S    |
| <i>Syzygium cumini</i>                                                         | jambolan plum, Java plum                           | I           |           | C, S       |
| <i>Tectaria incisa</i>                                                         | incised halberd fern                               | I           |           | S          |
| <i>Thespesia populnea</i>                                                      | seaside mahoe                                      | I           |           | C, S       |
| <i>Tradescantia fluminensis</i>                                                | small-leaf spiderwort                              | I           |           | N, C       |
| <i>Urena lobata</i>                                                            | Caesar's weed                                      | I           |           | N, C, S    |
| <i>Urochloa mutica</i> (= <i>Brachiaria mutica</i> )                           | Para grass                                         | I           |           | C, S       |

## CATEGORY II

Invasive exotics that have increased in abundance or frequency but have not yet altered Florida plant communities to the extent shown by Category I species. *These species may become ranked Category I, if ecological damage is demonstrated.*

| Scientific Name                                     | Common Name      | FLEPPC Cat. | Gov. List | Reg. Dist |
|-----------------------------------------------------|------------------|-------------|-----------|-----------|
| <i>Adenanthera pavonina</i>                         | red sandalwood   | II          |           | S         |
| <i>Agave sisalana</i>                               | sisal hemp       | II          |           | C, S      |
| <i>Aleurites fordii</i> (= <i>Vernicia fordii</i> ) | tung oil tree    | II          |           | N, C      |
| <i>Alstonia macrophylla</i>                         | devil tree       | II          |           | S         |
| <i>Alternanthera philoxeroides</i>                  | alligator weed   | II          | P         | N, C, S   |
| <i>Antigonon leptopus</i>                           | coral vine       | II          |           | N, C, S   |
| <i>Ardisia japonica</i>                             | Japanese ardisia | II          |           | N         |
| <i>Aristolochia littoralis</i>                      | calico flower    | II          |           | N, C, S   |
| <i>Asystasia gangetica</i>                          | Ganges primrose  | II          |           | C, S      |
| <i>Begonia cucullata</i>                            | wax begonia      | II          |           | N, C, S   |

<sup>2</sup>Many names are applied to this species in Florida because of a complicated taxonomic and nomenclatural history. Plants cultivated in Florida, all representing the same invasive species, have in the past been referred to as *Ruellia brittoniana*, *R. tweediana*, *R. caerulea*, and *R. simplex*.

| Scientific Name                                                                                             | Common Name                                       | FLEPPC Cat. | Gov. List | Reg. Dist. |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-------------|-----------|------------|
| <i>Blechum pyramidatum</i> (see <i>Ruellia blechum</i> )                                                    |                                                   |             |           |            |
| <i>Broussonetia papyrifera</i>                                                                              | paper mulberry                                    | II          |           | N, C, S    |
| <i>Bruguiera gymnorhiza</i>                                                                                 | large-leaved mangrove                             | II          |           | S          |
| <i>Callisia fragrans</i>                                                                                    | inch plant, spironema                             | II          |           | C, S       |
| <i>Callistemon viminalis</i> (= <i>Melaleuca viminalis</i> )                                                | bottlebrush, weeping bottlebrush                  | II          |           | C, S       |
| <i>Casuarina cunninghamiana</i>                                                                             | river sheoak, Australian-pine                     | II          | P         | C, S       |
| <i>Cecropia palmata</i>                                                                                     | trumpet tree                                      | II          |           | S          |
| <i>Cestrum diurnum</i>                                                                                      | day jessamine                                     | II          |           | C, S       |
| <i>Chamaedorea seifrizii</i>                                                                                | bamboo palm                                       | II          |           | S          |
| <i>Clematis terniflora</i>                                                                                  | Japanese clematis                                 | II          |           | N, C       |
| <i>Cocos nucifera</i>                                                                                       | coconut palm                                      | II          |           | S          |
| <i>Cryptostegia madagascariensis</i>                                                                        | rubber vine                                       | II          |           | C, S       |
| <i>Cyperus involucratus</i> ( <i>C. alternifolius</i> misapplied)                                           | umbrella plant                                    | II          |           | C, S       |
| <i>Cyperus prolifer</i>                                                                                     | dwarf papyrus                                     | II          |           | C, S       |
| <i>Dactyloctenium aegyptium</i>                                                                             | Durban crowfootgrass                              | II          |           | N, C, S    |
| <i>Dalbergia sissoo</i>                                                                                     | Indian rosewood, sissoo                           | II          |           | C, S       |
| <i>Elaeagnus pungens</i>                                                                                    | silverthorn, thorny olive                         | II          |           | N, C       |
| <i>Elaeagnus umbellata</i>                                                                                  | silverberry, autumn olive                         | II          |           | N          |
| <i>Epipremnum pinnatum</i> cv. Aureum                                                                       | pothos                                            | II          |           | C, S       |
| <i>Ficus altissima</i>                                                                                      | false banyan, council tree                        | II          |           | S          |
| <i>Flacourtia indica</i>                                                                                    | governor's plum                                   | II          |           | S          |
| <i>Hemarthria altissima</i>                                                                                 | limpo grass                                       | II          |           | C, S       |
| <i>Hibiscus tiliaceus</i> (See <i>Talipariti tiliaceum</i> )                                                |                                                   |             |           |            |
| <i>Hyparrhenia rufa</i>                                                                                     | jaragua                                           | II          |           | N, C, S    |
| <i>Ipomoea carnea</i> ssp. <i>fistulosa</i> (= <i>I. fistulosa</i> )                                        | shrub morning-glory                               | II          | P         | C, S       |
| <i>Kalanchoe pinnata</i> (= <i>Bryophyllum pinnatum</i> )                                                   | life plant                                        | II          |           | C, S       |
| <i>Koeleruteria elegans</i> ssp. <i>formosana</i> (= <i>K. formosana</i> ; <i>K. paniculata</i> misapplied) | flamegold tree                                    | II          |           | C, S       |
| <i>Landoltia punctata</i> (= <i>Spirodela punctata</i> )                                                    | Spotted duckweed                                  | II          |           | N, C, S    |
| <i>Leucaena leucocephala</i>                                                                                | lead tree                                         | II          | N         | N, C, S    |
| <i>Limnophila sessiliflora</i>                                                                              | Asian marshweed                                   | II          | P, U      | N, C, S    |
| <i>Livistona chinensis</i>                                                                                  | Chinese fan palm                                  | II          |           | C, S       |
| <i>Melia azedarach</i>                                                                                      | Chinaberry                                        | II          |           | N, C, S    |
| <i>Melinis minutiflora</i>                                                                                  | Molassesgrass                                     | II          |           | C, S       |
| <i>Merremia tuberosa</i>                                                                                    | wood-rose                                         | II          |           | C, S       |
| <i>Mikania micrantha</i>                                                                                    | mile-a-minute vine                                | II          | N, U      | S          |
| <i>Murraya paniculata</i>                                                                                   | orange-jessamine                                  | II          |           | S          |
| <i>Myriophyllum spicatum</i>                                                                                | Eurasian water-milfoil                            | II          | P         | N, C, S    |
| <i>Panicum maximum</i> (= <i>Urochloa maxima</i> , <i>Megathyrsus maximus</i> )                             | Guinea grass                                      | II          |           | N, C, S    |
| <i>Passiflora biflora</i>                                                                                   | two-flowered passion vine                         | II          |           | S          |
| <i>Pennisetum setaceum</i>                                                                                  | green fountain grass                              | II          |           | S          |
| <i>Phoenix reclinata</i>                                                                                    | Senegal date palm                                 | II          |           | C, S       |
| <i>Phyllostachys aurea</i>                                                                                  | golden bamboo                                     | II          |           | N, C       |
| <i>Pittosporum pentandrum</i>                                                                               | Philippine pittosporum, Taiwanese cheesewood      | II          |           | S          |
| <i>Pteris vittata</i>                                                                                       | Chinese brake fern                                | II          |           | N, C, S    |
| <i>Ptychosperma elegans</i>                                                                                 | solitaire palm                                    | II          |           | S          |
| <i>Rhoeo spathacea</i> (see <i>Tradescantia spathacea</i> )                                                 |                                                   |             |           |            |
| <i>Ricinus communis</i>                                                                                     | castor bean                                       | II          |           | N, C, S    |
| <i>Rotala rotundifolia</i>                                                                                  | roundleaf toothcup, dwarf <i>Rotala</i> , redweed | II          |           | S          |
| <i>Ruellia blechum</i>                                                                                      | green shrimp plant, Browne's blechum              | II          |           | N, C, S    |
| <i>Sansevieria hyacinthoides</i>                                                                            | bowstring hemp                                    | II          |           | C, S       |
| <i>Sesbania punicea</i>                                                                                     | purple sesban, rattlebox                          | II          |           | N, C, S    |
| <i>Solanum diphyllum</i>                                                                                    | two-leaf nightshade                               | II          |           | N, C, S    |

### ***Bruguiera gymnorhiza***

(large-leaved mangrove)

This mangrove from the Old World tropics is established at the Kampong, a botanical garden in Miami-Dade County where it was planted in 1940. The leaves and propagules of this species bear a strong resemblance to the native red mangrove (*Rhizophora mangle*). In a 2008 survey it was found naturalized in mangrove forest on the property, where 86 individuals were observed and recruitment rates were higher than for native species. There is a strong chance that it will disperse to other nearby mangrove forests.

### ***Cocos nucifera*** (coconut palm)

Coconut palm, ubiquitous along Florida's coastlines, is thought to be native to the Malay Peninsula or the South Pacific. This species has been found invading beach dune and coastal grassland communities in extreme south Florida and the Florida Keys. Plants form thick clusters and shed leaves that form dense layers on the ground, displacing native species. Impacted species include the federally threatened Garber's spurge (*Chamaesyce garberi*) in the Cape Sable area of Everglades National Park and nickerbean (*Caesalpinia bonduc*), the host plant for the endangered Miami Blue butterfly at Bahia Honda State Park.

### ***Mikania micrantha***

(mile-a-minute vine)

This vine of the American tropics is listed on the Federal Noxious Weed List because of invasiveness in other tropical regions. *M. micrantha* was first observed in Florida in 2008 in Miami-Dade County. It has since been observed at over two dozen sites throughout the Redland area of Miami-Dade County. It is primarily associated with agricultural sites, particularly container nurseries and tree farms, but has been found within the interiors of two rockland hammock fragments. It is a threat to other natural areas in Miami-Dade County, and poses a very high risk of dispersing to other counties.

### ***Syzygium jambos***

(Malabar plum, rose apple)

This species was downgraded from the Category II list in 2009 because of a lack of data in EDDMapS, herbaria, and observations of committee members. However, data compiled by FNAI shows 62 records in 9 counties in mesic and wet flatwoods, basin and floodplain wetlands. It has been reinstated as a Category II.

## **Category Changes**

*Jasminum sambac* and *Solanum jamaicense* removed from Category II based on lack of data in natural areas. *Urena lobata* moved from Category II to Category I.

# Use of the FLEPPC List

The FLEPPC List of Invasive Plant Species is not a regulatory list. Only those plants listed as Federal Noxious Weeds, Florida Noxious Weeds or in local ordinances are regulated by law. FLEPPC encourages use of the Invasive Species List for prioritizing and implementing management efforts in natural areas, for educating lay audiences about environmental issues, and for supporting voluntary invasive plant removal programs. For more information on using the FLEPPC List of Invasive Plant Species, see *Wildland Weeds* Summer 2002 issue (Vol. 5, No. 3), pp. 16-17, or <http://www.fleppc.org/list/list.htm>

**NOTE:** Not all exotic plants brought into Florida become pest plants in natural areas. The FLEPPC List of Invasive Plant Species represents only about 11% of more than 1,400 exotic species that have been introduced into Florida and have subsequently established outside of cultivation. Most escaped exotics usually present only minor problems in highly disturbed areas (such as roadsides). And there are other exotics cultivated in Florida that are “well-behaved” — that is, they don’t escape cultivation at all.



[www.fleppc.org](http://www.fleppc.org)

| Scientific Name                                                                      | Common Name              | FLEPPC Cat. | Gov. List | Reg. Dist. |
|--------------------------------------------------------------------------------------|--------------------------|-------------|-----------|------------|
| <i>Solanum torvum</i>                                                                | susumber, turkey berry   | II          | N, U      | N, C, S    |
| <i>Sphagneticola trilobata</i> (= <i>Wedelia trilobata</i> )                         | wedelia                  | II          |           | N, C, S    |
| <i>Stachytarpheta cayennensis</i> (= <i>S. urticifolia</i> )                         | nettle-leaf porterweed   | II          |           | S          |
| <i>Syagrus romanzoffiana</i><br>(= <i>Arecastrum romanzoffianum</i> )                | queen palm               | II          |           | C, S       |
| <i>Syzygium jambos</i>                                                               | Malabar plum, rose-apple | II          |           | N, C, S    |
| <i>Talipariti tiliaceum</i> (= <i>Hibiscus tiliaceus</i> )                           | mahoe, sea hibiscus      | II          |           | C, S       |
| <i>Terminalia catappa</i>                                                            | tropical-almond          | II          |           | C, S       |
| <i>Terminalia muelleri</i>                                                           | Australian-almond        | II          |           | C, S       |
| <i>Tradescantia spathacea</i><br>(= <i>Rhoeo spathacea</i> , <i>Rhoeo discolor</i> ) | oyster plant             | II          |           | S          |
| <i>Tribulus cistoides</i>                                                            | puncture vine, burr-nut  | II          |           | N, C, S    |
| <i>Vitex trifolia</i>                                                                | simple-leaf chaste tree  | II          |           | C, S       |
| <i>Washingtonia robusta</i>                                                          | Washington fan palm      | II          |           | C, S       |
| <i>Wedelia</i> (see <i>Sphagneticola</i> above)                                      |                          |             |           |            |
| <i>Wisteria sinensis</i>                                                             | Chinese wisteria         | II          |           | N, C       |
| <i>Xanthosoma sagittifolium</i>                                                      | malanga, elephant ear    | II          |           | N, C, S    |

## Citation example:

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**FLEPPC Database** – The Florida Exotic Pest Plant Database contains over 211,000 sight records of infestations of FLEPPC Category I and Category II species in Florida public lands and waters. 143 species are recorded. Nearly all of the records are from local, state, and federal parks and preserves; a few records document infestations in regularly disturbed public lands such as highways or utility rights-of-way. Natural area managers and other veteran observers of Florida's natural landscapes submit these records, with many supported further by voucher specimens housed in local or regional herbaria for future reference and verification. New and updated observations can be submitted online at [www.eddmaps.org/florida/](http://www.eddmaps.org/florida/). This database, along with other plant data resources such as the University of South Florida Atlas of Florida Vascular Plants at [www.plantatlas.usf.edu](http://www.plantatlas.usf.edu), the Florida Natural Areas Inventory database at [www.fnai.org](http://www.fnai.org), and The Institute for Regional Conservation Floristic Inventory of South Florida database at [www.regionalconservation.org](http://www.regionalconservation.org), provides important basic supporting information for the FLEPPC List of Invasive Plant Species.

**Images of FLEPPC-listed species** may be found at one or more of the following websites: University of South Florida Atlas of Florida Vascular Plants, [www.plantatlas.usf.edu](http://www.plantatlas.usf.edu); the University of Florida Herbarium collection catalog, <http://www.flmnh.ufl.edu/herbarium/cat/>, and image gallery, <http://www.flmnh.ufl.edu/herbarium/cat/imagesearch.asp>; at Fairchild Tropical Botanic Garden's Virtual Herbarium, [www.virtualherbarium.org/vhportal.html](http://www.virtualherbarium.org/vhportal.html), The Robert K. Godfrey Herbarium at Florida State University, <http://herbarium.bio.fsu.edu/index.php>; the University of Florida's IFAS Center for Aquatic and Invasive Plants, <http://plants.ifas.ufl.edu>, and the USDA PLANTS database, <http://plants.usda.gov/>. Please note that greater success and accuracy in searching for plant information is likely if you search by scientific name rather than common name. Common names often vary in cultivation and across regions.