

FLORIDA KEYS INVASIVE EXOTICS TASK FORCE (FKIETF) LIST OF INVASIVE PLANTS OF THE FLORIDA KEYS - 2005

EPPC = CATEGORY CLASSIFICATION ON EXOTIC PEST PLAN COUNCIL'S 2003 LIST OF FLORIDA'S MOST INVASIVE SPECIES. SEEDING = DISPERSAL METHOD, FRUITING/FLOWERING SEASON IN FL KEYS

SCIENTIFIC NAME	COMMON NAME	EPPC	KEYS INVASION PATTERN AND COMMENTS	SEEDING (DISPERSAL, SEASON)	ERADICATION RECOMMENDATION
FKIETF CATEGORY I: INVASIVE EXOTICS THAT ARE ALTERING FLORIDA KEYS NATIVE PLANT COMMUNITIES BY DISPLACING NATIVE SPECIES, CHANGING COMMUNITY STRUCTURES OR ECOLOGICAL FUNCTIONS, OR HYBRIDIZING WITH NATIVES					
Casuarina equisetifolia	Australian pine	I	Highly invasive in wetlands and uplands	wind blown, year round	Basal or stump with 10%-30% Garlon 4
Colubrina asiatica	Asiatic colubrina	I	Highly invasive, especially on beaches and coastlines	floating, year round	Foliar with 3% Garlon 4 in cut grid pattern
Ficus microcarpa	Laurel fig	I	Highly invasive in uplands in Upper Keys, epi- and litho-phytic	birds	Basal with 5% Garlon 4
Leucaena leucocephala	Lead tree	II	Invasive mainly on roadways and disturbed edges at present	nearly year round	Basal or stump with 40% Garlon 4
Manilkara zapota	Sapodilla	I	High localized invasion in higher elevation hammocks	heavy fruit, year round	Basal with 10%-25% Garlon 4
Melaleuca quinquenervia	Melaleuca	I	Localized invasion in N. Key Largo, Stock I. and Boca Chica	wind blown, Aug - Dec	Hack and squirt with 50% Garlon 3A and 1% Arsenal
Neyraudia reynaudiana	Burma reed	I	Prefers disturbed and ruderal sites but moves into undisturbed hammocks; occurs on all roadsides in Upper Keys; at least one fairly large patch treated on Big Pine Key	seed/rhizome	Foliar with 2% Roundup Pro
Scaevola sericea	Beach naupaka	I	Spreads quickly from landscaping, especially on beaches and coastal edges/causeways	tides/birds/animals, nearly year round	Basal with 10% Garlon 4 or stump with 50% Garlon 3A
Schefflera actinophylla	Queensland umbrella tree	I	Hammock and mangrove margins, disturbed sites and spoil islands in the Upper Keys	birds, summer	Basal with 10% Garlon 4 or stump with 50% Garlon 3A
Schinus terebinthifolius	Brazilian pepper	I	Highly invasive in wetlands and uplands	animals, Oct - Mar	Basal or stump with 10%-15% Garlon 4
Thespesia populnea	Seaside mahoe	I	High localized invasion in transitional areas	floating, year round	Stump with 50% Garlon 3A applied immediately
FKIETF CATEGORY II: INVASIVE EXOTICS THAT HAVE INCREASED IN ABUNDANCE OR FREQUENCY BUT HAVE NOT YET ALTERED FLORIDA KEYS PLANT COMMUNITIES TO THE EXTENT SHOWN BY CATEGORY I SPECIES (CONTINUED)					
Acacia auriculiformis	Earleaf acacia	I	Local problem in Upper Keys; has appeared in Lower Keys	wind blown	Stump with 50% Garlon 3A
Agave sisalana	Sisal hemp	II	Spreads from landscapes and establishes where dumped	tall seed stalks, Jun-Aug	Spray with 3% Garlon 4 on center bud
Albizia lebeck	Woman's tongue	I	Problem in Upper Keys, occurs throughout Keys	wind blown	Basal or stump with 30% Garlon 4
Asparagus densiflorus	Asparagus fern	I	Spreads from landscapes and establishes where dumped	dumping/birds/animals	Foliar with 2% Roundup Pro
Asystasia gangetica	Ganges primrose	II	Spreads from disturbed sites and climbs forest edges	Mar - Aug	Foliar with 2% Roundup Pro
Casuarina cunninghamiana	Australian pine	II	Suckering, somewhat cold tolerant, very limited in Keys	wind blown, year round	Basal or stump with 10%-30% Garlon 4
Casuarina glauca	Australian pine	I	Less salt tolerant and less widespread than C. equisetifolia	no seeds - suckers off planted trees	Basal or stump with 10%-30% Garlon 4
Cryptostegia madagascariensis	Madagascar rubber vine	II	Occurs in transitional wetlands, old homesteads in Upper Keys	summer, wind blown	Basal with 10% Garlon 4
Cupaniopsis anacardioides	Carrotwood	I	Recent introduction; has spread from planting in Key West; invades uplands to buttonwood zone	birds/small mammals	Basal with 10% Garlon 4 or stump with 50% Garlon 3A
Dichrostachys cinera	Sickle bush, Marabu	II	Dense thickets in Cuba, Pacific Islands.	mowing, rhizomes	Unknown at this time.
Dioscorea bulbifera	Air Potato	I	Invades variety of habitats: 23 FL counties, Big Pine & Cudjoe	vine, tubers, floats	Manual removal
Epipremnum pinnatum	Pothos (philodendron)	II	Has spread from landscapes, dump sites to hammock		Foliar with 2% Roundup Pro
Furcraea cabuya	Central American sisal	n/a	Spreads from landscapes and dump sites; localized	Jun - Aug	Spray with 3% Garlon 4 on center bud
Hibiscus tiliaceus	Sea hibiscus	II	So far largely limited to disturbed sites	drift seed/wrack lines	Stump with 50% Garlon 3A applied immediately
Hylocereus undatus	Night-blooming cereus	n/a	Spreads from landscapes and dump sites; localized	animals, suckering	Manual removal
Kalanchoe spp.	Life plant	II	Spreads from landscapes and dump sites; localized		Foliar with 2% Roundup Pro
Lantana camara	Lantana	I	Spreads from landscapes to hammock/pineland margins	bird dispersed, yr round	Basal with 5% Garlon 4
Nephrolepis multiflora	Asian sword fern	I	Invades hammocks	seeds spores/rhizome	Foliar with 2% Roundup Pro
Panicum maximum	Guinea grass	II	Present in Keys, but extent of invasion unknown	rhizomes/seeds	Foliar with 2% Roundup Pro
Panicum repens	Torpedograss	I	Present in Keys, but extent of invasion unknown	rhizomes/seeds	Foliar with high concentration of Rodeo
Pennisetum purpureum	Napier grass	I	So far limited to roadsides	mowing, yr round	Foliar with 2% Roundup Pro
Pennisetum setaceum	Fountain grass	II	Planted for landscaping and is currently spreading on roadsides.	mowing, yr round	Foliar with 2% Roundup Pro
Psidium spp.	Guava	I	Spreads from neighborhood fruit trees into uplands	mammals/humans	Basal with 10% Garlon 4
Rhoeo spathacea	Oyster plant	I	Spreads from landscaping and establishes where dumped		Foliar with 3% Garlon 4 in water or oil
Sansevieria hyacinthoides	Bowstring hemp	II	Spreads from landscaping and establishes where dumped	seeds/rhizomes	Foliar with 5% Garlon 4 in water or oil
Stachytarpheta urticifolia	Porterweed	n/a	Non Native porter weed that hybridizes with native		
Tecoma stans	Yellow elder	n/a	moving into hammocks from disturbed edges		
Terminalia catappa	Tropical almond	II	occasional problem on Keys coastlines and near plantings	drift seed	Basal with 10% Garlon 4 or stump with 50% Garlon 3A
Tribulus cistoides	Puncture weed	II	Moving down the roadside; also on beaches	animals, year round	Foliar with 2% Roundup Pro
Wedelia trilobata	Wedelia	II	disturbed sites, beaches	year round	Foliar with 2% Roundup Pro

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FKIETF CATEGORY III: INVASIVE EXOTICS THAT HAVE NOT YET BECOME A SERIOUS PROBLEM IN THE FLORIDA KEYS BUT ARE TO BE WATCHED (TBW).					
Adenanthera pavonina	Red sandlewood	II	Fast growing and spreading where planted	wind blown	
Ardisia elliptica	Shoebuttan ardisia	I	Moving south on Card Sound Road; not yet over bridge	birds, year round	
Bauhinia variegata	Orchid tree	I	Planted here but no escape observed yet		
Broussonetia papyrifera	Paper mulberry	II	One escape in Key Largo, serious problem in Dade		
Bucida buccera	Black Olive	n/a	Copius seeder, may invade canopy gaps near parent		
Bucida buccera B. spinosa	Black Olive	n/a	Has been found in Key Largo Hammocks		
Carica papaya	Papaya	n/a	Found in hammocks and along coastal berms		
Catharanthus roseus	Madagascar periwinkle	n/a	disturbed sites, beaches		
Clusia rosea	Pitch apple/autograph tree	n/a	spreading in Key Largo/Dade/Broward, epiphytic, lithophytic	birds, spring-summer	Basal with 10% Garlon 4
Dactyloctenium aegyptium	Crowfoot grass	n/a	So far seems to be limited to disturbed sites or as an earlycolonizer only at natural sites		
Ficus altissima	False banyan	II	Planted here but no escape observed yet	birds	
Flacourtia indica	Governor's plum	II	Planted here but no escape observed yet	animals	
Jacquinia arborea	Bracelet Wood	n/a	disturbed sites, Key Largo Geiger Key areas		
Macroptilium artopurpureum	Jumbie bean	n/a	edge spieces, moving into coastal berms and dunes	Wind blown	
Macroptilium lathyroides	Jumbie bean	n/a	edge spieces, moving into coastal berms and dunes	Wind blown	
Melia azedarach	Chinaberry	I	Planted as ornamental and has potential to spread	animals	
Merremia tuberosa	Wood rose	II	It's planted in Keys; is a problem in Dade	year round	
Murraya paniculata	Orange-jessamine	II	Planted here but no escape observed yet	animals	
Ochrosia parviflora	Kopsia	n/a	Planted here but no escape observed yet		
Oeceoclades maculata	Ground orchid	n/a	Definitely invades, but does it disrupt? There's some question as to whether it's introduced or naturally arrived		
Phoenix spp.	Date palm	II	Localized problem at Marquesas Keys and Cape Florida EPPC lists P. reclinata as Cat. II	rhizomes/seeds	Manual removal
Rhynchelytrum repens	Natal grass	II	Occurs roadside over the entire Keys; potential problem	year round	Foliar with 2% Roundup Pro
Solanum viarum	Tropical soda apple	I	Invades pastures and upland pines	livestock/mamals/ hay	Glyphosate at a 3% solution
Stenotaphrum secundatum	St. Augustine grass	n/a	Planted, beginning to invade hammocks from roadsides.	rhizomes, Sep-Nov	
Syzygium cumini	Java Plum	I	One site on Ramrod key, waiting to see	birds/small mammals	Glyphosate at a 3% solution
Tabebuia sp.	Pink shower tree	n/a	One localized problem known at Upper Sugarloaf Key	wind blown, Mar - Aug	
Tamarindus indicus	Tamarind	n/a	Naturalizing in Key Largo hammock		
Tradescantia spp.	Wandering Jew	I	Spreads from landscapes and dump sites; Spreading along some forest edges in the Upper Keys; localized		
			Spreading along some forest edges in the Upper Keys		
Turnera ulmifolia	Yellow alder	?	Disturbed areas may invade beach dunes		
Vitex trifolia	Chastetree	?	Key Largo Hammocks & Long Key as a landscape tree	Landscapers	
Zoysia japonica	Zoysia grass	n/a	Escaping from park residence at N end of Bahia Honda	rhizomes	Foliar with 2% Roundup Pro
Plants that may Hybridize with natives or are being sold as natives					
Exotic - Scientific Name	Exotic - Common Name	hybridize?	Native - Scientific name	Native - Common Name	Distinctive differences
Hamelia patens var. glabra	African Fire Bush	?	Hamelia patens var. patens	Fire Bush	Exotic has some yellow flowers and mostly smooth leaves.
Lantana camara	Lantana/Shrub Verbena	Y	Lantana involucrata	Lantana / Wild Sage	Native flowers are white and small, exotics are multicolored.
Scaevola sericea & S. taccada	Beach Napauka	?	Scaevola plumieri	ink berry	Natives are darker green, have white seeds and aren't fuzzy.
Stachytarpheta urticifolia	Porterweed/ Nettleleaf Vervain	Y	Stachytarpheta jamaicensis	Blue Porterweed	Native is short (<1'), Exotic can grow to 6'. Exotic has dark green, quilted leaves and more teeth along leaf margins.
Sophora tomentosa var. occidentalis	Texas Necklace pod	Y?	Sophora tomentosa var. truncata	Necklace pod	Native does not have silvery fuzzy leaves.