

A satellite image of a hurricane over the Gulf of Mexico, with a blue rectangular text box in the upper center. The hurricane's eye and spiral cloud bands are clearly visible over the dark blue ocean. The surrounding landmasses, including parts of North and Central America, are shown in green and brown.

Urban Forest Hurricane Recovery Program

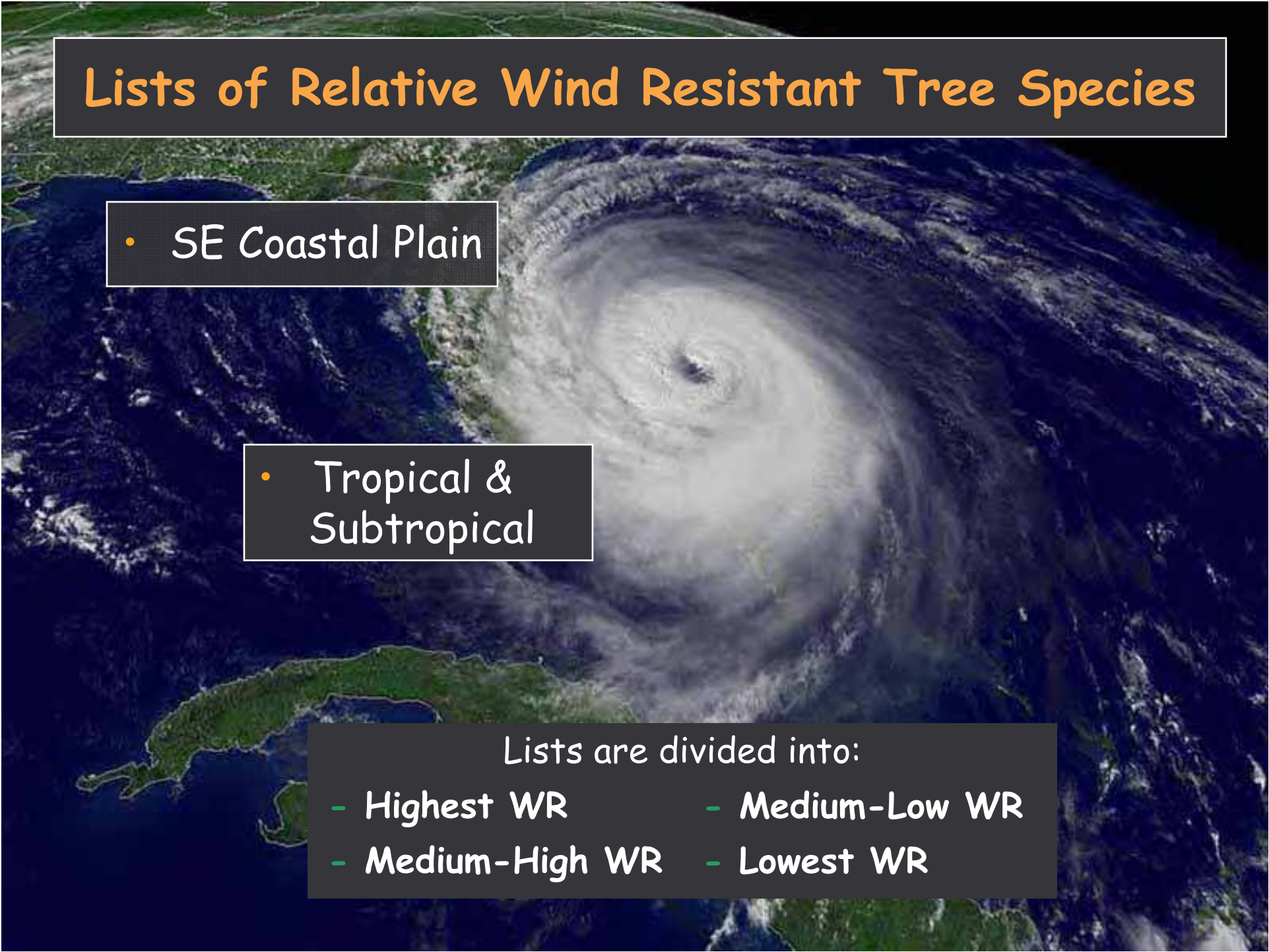
<http://treesandhurricanes.ifas.ufl.edu>



Selecting Tropical and Subtropical Tree Species for Wind Resistance:

Photo Gallery of
highest to medium
high
wind resistance

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A satellite image of a large hurricane with a well-defined eye and spiral cloud bands, positioned over the Gulf of Mexico. The surrounding landmasses, including the southern tip of North America and Central America, are visible in green and brown. The ocean is a deep blue.

Lists of Relative Wind Resistant Tree Species

- SE Coastal Plain

- Tropical & Subtropical

Lists are divided into:

- Highest WR
- Medium-Low WR
- Medium-High WR
- Lowest WR

Highest Wind Resistance

Dicots

Bursera simaruba, gumbo limbo
Carya floridana, FL scrub hickory
Conocarpus erectus, buttonwood
Chrysobalanus icaco, cocoplum
Cordia sebestena, geiger tree
Eugenia axillaris, white stopper
Eugenia confusa, redberry
Eugenia foetida, boxleaf stopper
Guaiacum sanctum, lignum vitae
Ilex cassine, dahoon holly
Krugiodendron ferreum, ironwood
Lagerstroemia indica, crape myrtle
Magnolia grandiflora, southern magnolia
Podocarpus spp, podocarpus
Quercus virginiana, live oak
Quercus geminata, sand live oak

Conifers

Taxodium distichum, baldcypress
Taxodium ascendens, pondcypress

Palms

Adonidia merrillii, Manila
Butia capitata, pindo
Dypsis lutescens, areca
Coccothrinax argentata, FL silver
Hyophorbe lagenicaulis, bottle
Hyophorbe verschaffeltii, spindle
Latania loddigesii, blue latan
Livistona chinensis, Chinese fan^c
Phoenix canariensis, Canary Island date
Phoenix dactylifera, date
Phoenix reclinata, Senegal date^b
Phoenix roebelenii, pygmy date
Ptychosperma elegans, Alexander
Sabal palmetto, cabbage
Thrinax morrisii, key thatch
Thrinax radiata, Florida thatch

- ^a Prohibited in Florida
- ^b Invasive and not recommended in Florida
- ^c Caution: may be used but must be managed to prevent escape in Florida (Fox et al. 2005)

gumbo limbo
Bursera simaruba



Florida scrub hickory

Carya floridana



buttonwood
Conocarpus erectus



cocoplum
Chrysobalanus icaco



Geiger tree

Cordia sebestena



white stopper
Eugenia axillaris



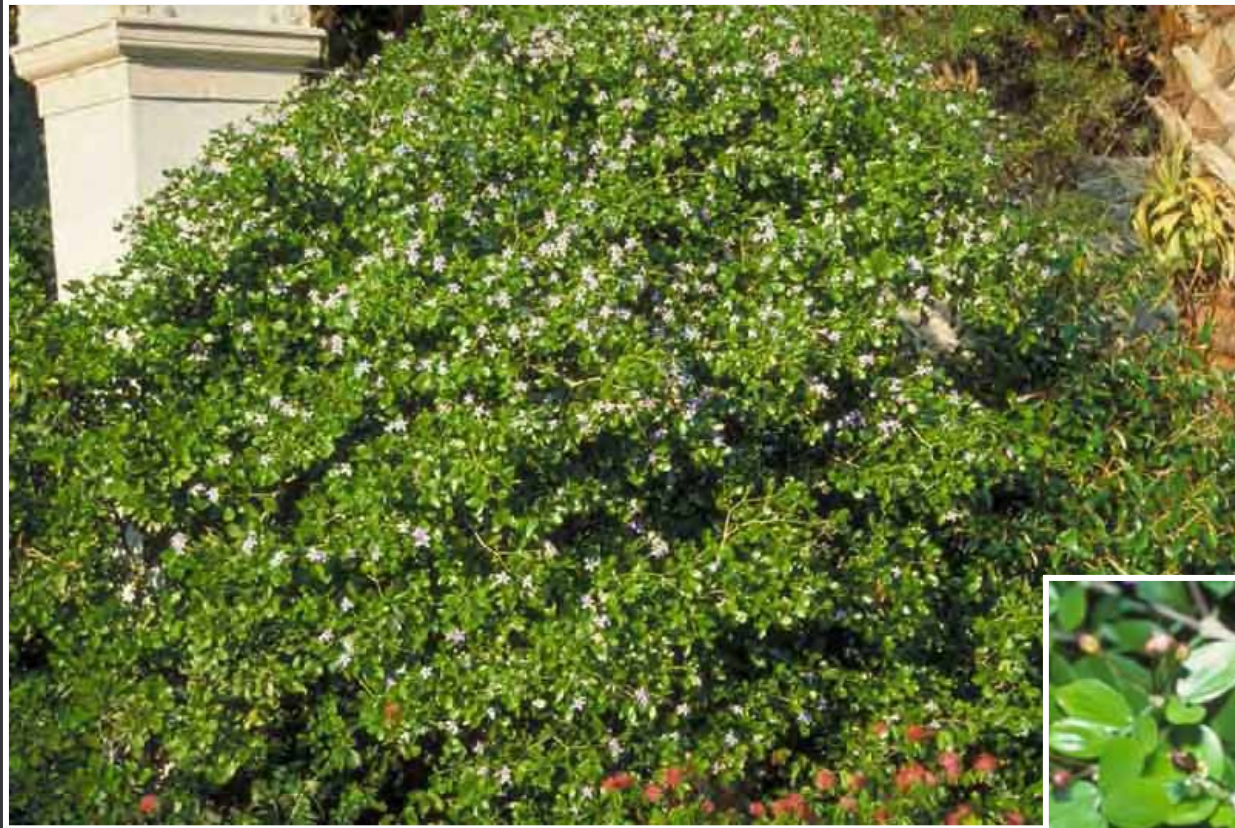
redberry stopper
Eugenia confusa



boxleaf stopper
Eugenia foetida



lignumvitae
Guaiacum sanctum



Dahoon holly

Ilex cassine



ironwood
Krugiodendron ferreum



crapemyrtle
Lagerstoemia indica



Southern magnolia

Magnolia grandiflora



Podocarpus

Podocarpus spp.



Podocarpus gracilior



Podocarpus gracilior



Podocarpus latifolius

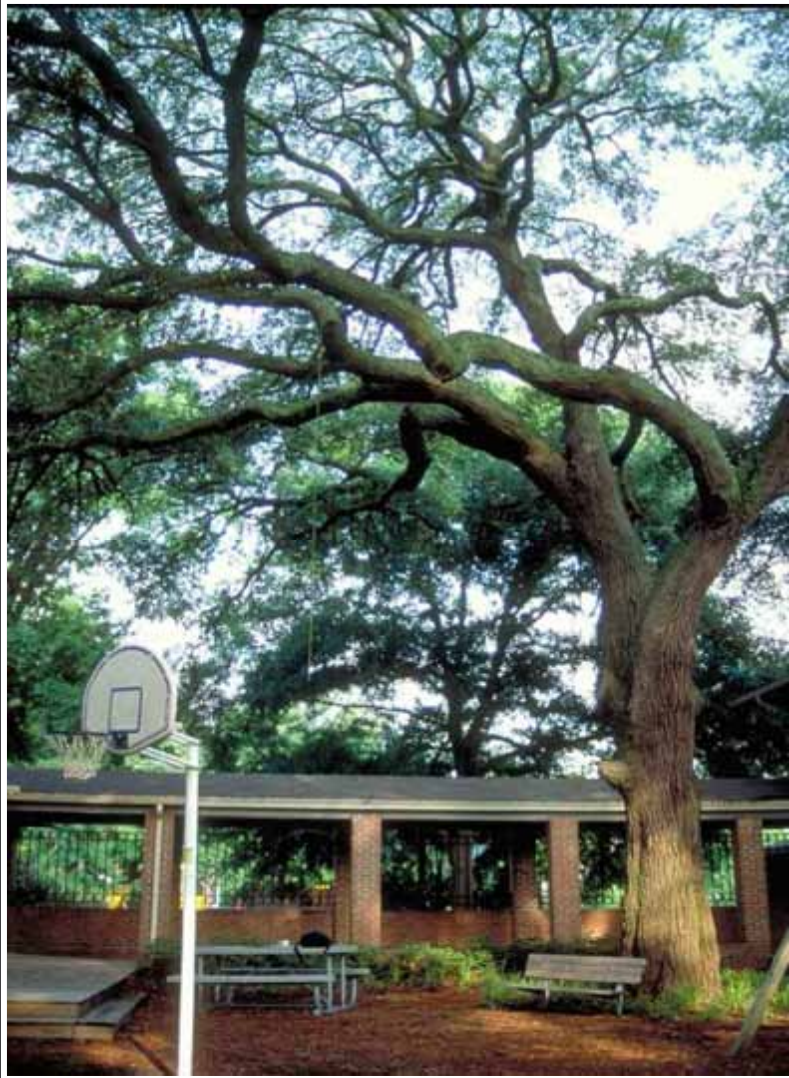


Podocarpus macrophyllus

live oak
Quercus virginiana



sand live oak
Quercus geminata



baldcypress
Taxodium distichum



pondcypress
Taxodium ascendens



manila
Adonidia merrillii



Pindo

Butia capitata



Areca palm

Dypsis lutescens



Florida silver palm
Coccothrinax argentata



bottle palm
hyophorbe lagenicaulis



spindle palm
Hyphrobe verschaffeltii



blue latan
Latania loddigesii



Chinese fan *Livistona chinensis*



Canary Island date *Phoenix canariensis*



date

Phoenix dactylifera



Phoenix reclinata

Senegal date

(invasive: not recommended for use in Florida)



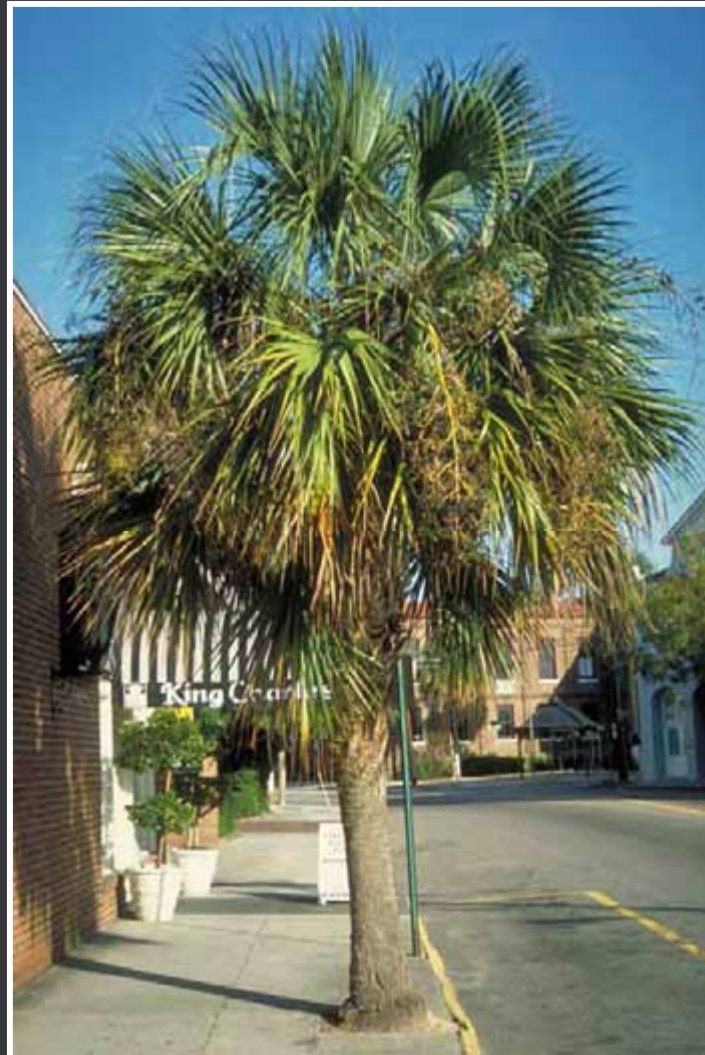
Pygmy date
Phoenix roebelenii



Alexander palm
Ptychosperma elegans



cabbage palm
Sabal palmetto



key thatch
Thrinax morrisii



Florida thatch

Thrinax radiata



Medium-High Wind Resistance

Dicots

Annona glabra, pond apple
Calophyllum antillanum, Brazilian beautyleaf^c
Chrysophyllum oliviforme, satinleaf
Coccoloba uvifera, sea grape
Coccoloba diversifolia, pigeon plum
Liquidambar styraciflua, sweetgum
Lysiloma latsiliquum, wild tamarind
Magnolia virginiana, sweetbay magnolia
Nyssa sylvatica, black tupelo
Sideroxylon foetidissimum, mastic
Simarouba glauca, paradise tree
Swietenia mahagoni, mahogany

Palms

Caryota mitis, fishtail palm
Cocos nucifera, coconut palm
Dypsis decaryi, triangle palm
Roystonea elata, royal palm

Fruit Trees

Litchi chinensis, lychee

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pondapple
Annona glabra



Calophyllum antillanum

Brazilian beautyleaf

(Caution: manage to prevent escape in Florida)



satinleaf
Chrysophyllum oliviforme



sea grape
Coccoloba uvifera



pigeon plum
Coccoloba diversifolia



sweetgum
Liquidambar styraciflua



wild tamarind
Lysiloma latisiliquum



sweetbay magnolia
Magnolia virginiana



black tupelo
Nyssa sylvatica



mastic tree
Sideroxylon foetidissimum



paradise tree
Simarouba glauca



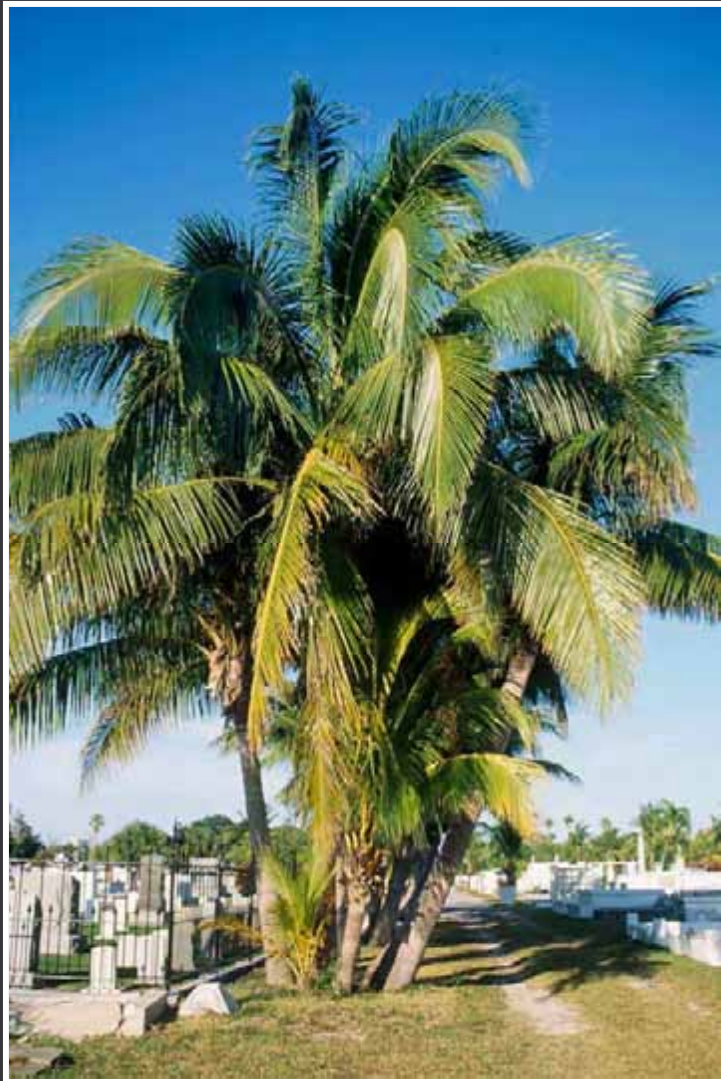
mahogany
Swietenia mahagoni



fishtail
Caryota mitis



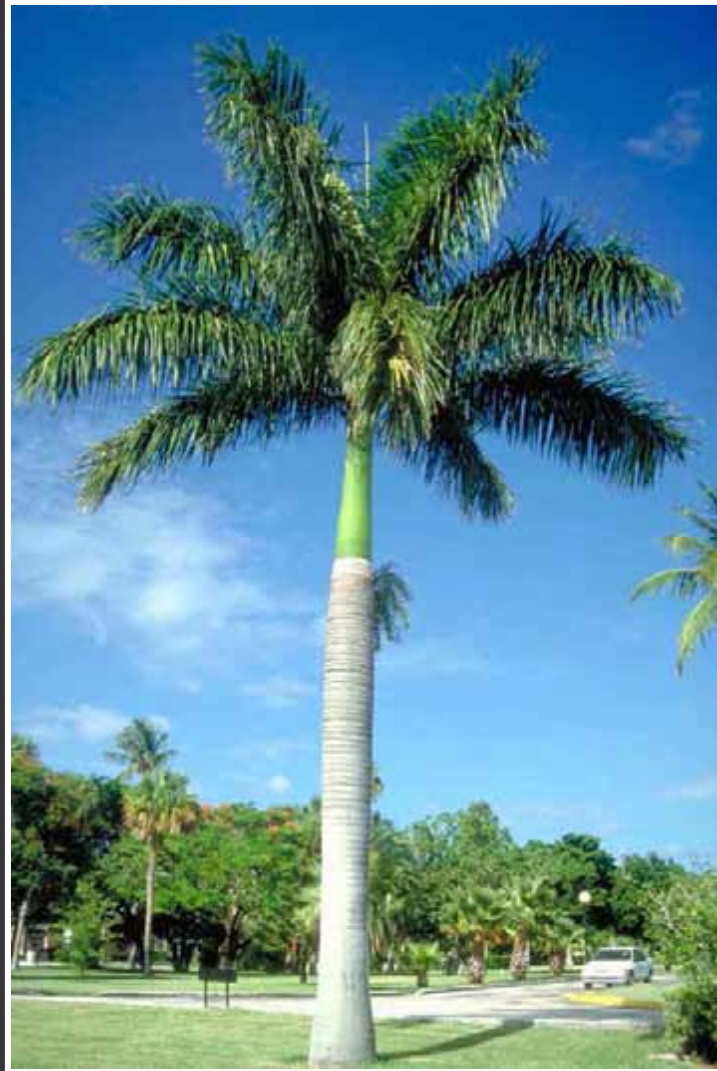
coconut palm
Cocos nucifera



triangle palm
Dypsis decaryi



royal palm
Roystonea elata



lychee
Litchi chinensis

