

## **Hurricane Damage**

Tree species vary in their ability to withstand hurricane winds and salt damage. Wind resistance generally depends on the interaction of five factors: strength of wood, shape and size of crown, extent and depth of the root system, previous moisture conditions and shape of the hole.

No tree species has perfect wind resistance but live oak, palm, pondcypress and baldcypress are among the best as shown in the table.

Table:
Resistance of tree species to hurricane-related damage (in descending order of resistance)

Flood Tolerant	Breakage	Uprooting	Salt	Deterioration By Insect and Desease
baldcypress	live oak	Live oak	live oak	live oak
pondcypress	palms	palms	palms	palms
tupelo-gum	baldcypress	baldcypress	slash pine	sweetgum
sweetbay/willow	pondcypress	pondcypress	longleaf pine	water oak
sweetgum	sweetgum	tupelo-gum	pondcypress	sycamore
sycamore	tupelo-gum	redcedar	loblolly pine	baldcypress
river birch	mimosa	sweetgum	redcedar	pondcypress
cottonwood	dogwood	sycamore	tupelo-gum	southern red oak
green ash	magnolia	longleaf pine	baldcypress	magnolia
red maple	sweetbay	mimosa	sweetgum	tupelo-gum
pecan	southern	southern		
	red oak	red oak	water oak	sweetbay
mulberry	water oak	magnolia	sycamore	hickory
American elm	sycamore	slash pine	sweetbay	pecan
persimmon	longleaf pine	loblolly pine	southern	redcedar
			red oak	
silver maple	slash pine	sweetbay	hickory	red maple
water oak	loblolly pine	water oak	mimosa	mimosa
swamp chestnut	redcedar	red maple	pecan	dogwood
Magnolia	hickory	dogwood	magnolia	longleaf pine
hickory	red maple	hickory	red maple	slash pine
	pecan	pecan	dogwood	loblolly pine

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