

The Importance of the Trees Planted on the UF/IFAS Extension Orange County Grounds and in the Exploration Gardens

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

Celeste White, Extension Faculty, Commercial Horticulture, ctwhite@ufl.edu

Liz Felter, Extension Faculty, Production Horticulture, lfelter@ufl.edu

Kelly Greer, Extension Faculty, Florida-Friendly Landscaping™, kg@ufl.edu

Jennifer Pelham, Extension Faculty, Residential Horticulture, jenjen15@ufl.edu



Trees provide many benefits to people and communities. The most well known are producing oxygen and creating shade but there are many other benefits.

- **Reduced energy use:** Trees that directly shade buildings decrease demand for air conditioning.
- **Improved air quality and lower greenhouse gas emissions:** By reducing energy demand, trees decrease the production of associated air pollution and greenhouse gas emissions. They also remove air pollutants and store and sequester carbon dioxide.
- **Enhanced storm water management and water quality:** Trees reduce runoff and improve water quality by absorbing and filtering rainwater.
- **Improved quality of life:** Trees provide aesthetic value, habitat for wildlife, noise reduction, and they contribute to the social and economic well-being of landowners and community residents.

Our mission at the UF/IFAS Extension in Orange County is education. We use our landscaped grounds and Exploration Gardens as living classrooms. By planting many diverse types of trees, we give visitors the opportunity to learn to identify different species and observe their individual characteristics, such as mature size and growth rate. In our classes, we teach participants how to grow and maintain the trees through hands-on demonstrations and activities.

Total trees on property	253
Total different tree species	65
Total percent of trees planted that are native	60%
Total percent of trees that produce edible fruit	13%



Tree Inventory

Bald Cypress (*Taxodium distichum*)*
Bay Laurel (*Laurus nobilis*)
Bottle brush buckeye (*Aesculus parviflora*)*
Bottle brush (*Callistemon rigidus*)
Bottle brush Weeping (*Callistemon viminalis*)
Chaste Tree (*Vitex agnus-castus*)
Chinese Fan Palm (*Livistona chinensis*)
Chinese Fringetree (*Chionanthus retusus*)
Crape Myrtle (*Lagerstroemia hybrids*)
Dahoon Holly (*Ilex cassine*)*
Desert Cassia (*Senna polyphylla*)
East Palatka Holly (*Ilex X attenua 'East Palatka'*)*
Flatwoods Plum (*Prunus umbella*)*
White Champaca (*Michelia x alba*)
Gordlinia (*xGordlinia grandiflora*)
Horseradish Tree (*Moringa oleifera*)
Japanese Blueberry (*Elaeocarpus decipiens*)
Jatropha integerrima
Live Oak (*Quercus virginiana*)*
Loquat (*Eriobotrya japonica*)
Magnolia (*Magnolia grandiflora*)*
Orchid Tree (*Bauhinia pupurea*)
Paurotis Palm (*Acoelorrhaphe wrightii*)*
Pond Cypress (*Taxodium ascendens*)*
Popcorn Cassia (*Cassia didynobotrya*)

Red Maple (*Acer rubrum*)*
Sabal Palm (*Sabal palmetto*)*
Shumard Oak (*Quercus shumardii*)*
Silk Floss Tree (*Chorisia speciosa*)
Simpson's Stopper (*Myrcianthes fragrans*)*
Sweet Gum (*Liquidambar styraciflua*)*
Tabebuia Pink (*Tabebuia impetiginosa*)
Tabebuia Yellow (*Tabebuia umbella*)
Tecoma sans
Texas Wild Olive (*Cordia boissierii*)
Tipuana (*Tipuana tipu*)
Windmill Palm (*Trachycarpus fortunei*)
Winged Elm (*Ulmus alata*)*
Yaupon Holly (*Ilex vomitoria*)
Yaupon Holly Weeping (*Ilex vomitoria 'Pendula'*)*

*Native to Florida



Fruit Trees

Apple Tree 'Anna'
Apple Tree 'Golden Dorsett'
Avocado 'Day'
Avocado 'Joey'
Black Mulberry
Calamondin
Citrus spp
Fig 'Brown Turkey'
Fig 'Celeste'
Fig 'Jelly'
Fig 'Black Mission'
Fig 'Green Ishia'
Fig 'Magnolia'

Lemon
Olive Tree
Peach 'Florida Prince'
Peach 'Floridaglo'
Peach 'Tropic Beauty'
Pear 'Pineapple'
Pear 'Florida Home'
Pear 'Hood'
Persimmon 'Fuyu'
Pomegranate 'Christiana'
Pomegranate 'Ambrosia'
Pomegranate 'Turk'

Tree facts provided by American Forests:

<http://www.americanforests.org/discover-forests/tree-facts/>

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