Florida-Friendly Landscaping™
Program Update

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Florida-Friendly Landscaping™ Program

- FYN Programs
  - Homeowner
  - Builder & Developer
- Green Industries BMP Program
Florida-Friendly Landscaping™

LEGISLATURE

◊ Mandatory- Chapter 482.1562, F.S. GI-BMP

◊ Voluntary- Chapters 373.185, 720.3075, F.S. FYN
SAVING FLORIDA’S WATER SUPPLY,
DROP BY DROP

WATER DEMAND
Water demand already exceeds supply in some parts of Florida, and projections show the state could double its current water usage by 2070 if population growth, water-use habits, and irrigation practices do not change.*

At least 50% of Florida household water usage is for landscape irrigation.

The average U.S. household spends more than $1,000 per year on water.**

WATER CONSERVATION
In 2016, 87,000 residents participated in water conservation programs, taught by 76 UF/IFAS Extension faculty statewide.

Follow-up surveys showed...
- 93% reduced irrigation to 2 days/week
- 90% reduced irrigation in winter months
- 87% reduced irrigation if adequate rainfall
- 69% switched to low-maintenance plants
- 50% installed a rain barrel or cistern
- 50% started using a rain gauge

MAKING AN IMPACT
64,680,236 gallons of water saved... enough water to supply 1,192 households with water for one year.

$214,092 saved on utility bills.

$168,169 saved by utility companies on water preparation/delivery costs.***

*Water 2070 project (FDACS, UF Geoplan Center, 1000 Friends of Florida)
**U.S. Environmental Protection Agency (EPA, 2015)
GREEN INDUSTRIES BMPs
Improving Florida's Water and Natural Resources

Gi-BMP training promotes behaviors and practices that
conserve water and reduce pollutants
from urban landscapes making their way into Florida's canals, lakes, rivers, springs, aquifers and wetlands

Adopting Best Practices

93-99% of GI-BMP training participants are using best practices for irrigation, maintenance, fertilization, and pesticide application on a regular basis:

- 26% average increase in ALWAYS using the following practices:
  - Apply no more than 1/2 - 3/4" water per irrigation event saving an estimated 25-50% of water, according to UF/IFAS research
  - Avoid mulching around tree trunks and shrub bases
  - Reset irrigation controls/timers seasonally
  - Reduce fertilizer application
  - Use IPM to determine pest control methods

Adoption of new technologies

72% use soil tests to determine fertilization needs
85% use soil moisture or other sensing devices to ensure effective water use

Leveraging Extension

90-94% of participants share what they learn in GI-BMP training with their clients and coworkers

- Since 2006, 46,192 green industry professionals have received GI-BMP training, valued at $6.9 million
- 52,000 CEUs required for FDACS pesticide and fertilizer licenses, valued at $1.3 million

*Estimated at $25 value per hour (based on cost per hour of comparable professional training) 6 hours of GI/BMP training = $150; 46,192 x $150 = $6.9 m
*Note: All behavior change percentages based on participant evaluations conducted six months after training program.
Florida-Friendly Landscaping™
Online Applications

◊ FFL Plant Guide Mobile Web App
◊ FFL Butterfly Gardens Mobile Web App
◊ Florida Fertilizer Mobile Web App
◊ FFL Online CEUs
Florida-Friendly Landscaping™ Plant Guide

Find the Right Plant for the Right Place Anytime, Anywhere

Mobile web application 1.99 year
Florida-Friendly Landscaping™
Butterfly Gardens
Mobile Web App

Collaborators: Jaret Daniels, Wendy Wilbur, and Kathy Malone
• Guidance for type and number of plants for garden size

Choose your garden size:

- Container (< 10 sq ft)
- Small (10-50 sq ft)
- Medium (50-200 sq ft)
- Large (>200 sq ft)
• Includes tips for...
  – Garden design principles
  – Right Plant/Right Place
  – How to attract butterflies
  – Florida-Friendly planting and maintenance practices

• Resources link to related EDIS, FFL and other sources
• 62 Florida butterflies
• Pictures of different life stages for many
• Host plants
• Feeding preferences
• Browse list of 190 plants
• Search by name, species or category
Florida-Friendly Landscaping™
Online Applications

◊ Online CEUs

Landscape Architects and CAMs

Collaborator: Gail Hansen
Teaching AP Environmental Science

This course provides the tools, strategies and instructional materials to equip you for teaching this subject, preparing your students for the AP Environmental Science Exam. Topics include the physical environmental, ecosystems and ecology, populations, energy resources, the land, air and water environment, among others. Learn more.

Course Registration Options

Keywords: teaching ap - ap - ap environmental science - environmental science - teaching ap environmental science - teaching environmental science - environmental science exam - ap environmental science exam -
Final Deliverables

• The new mobile web application
• An online user's guide
• App lunch publicity package
• An EDIS publication
Florida-Friendly Turfgrass: Selection and Best Management Practices

This one hour course provides an overview of Florida-Friendly turfgrass selection and management practices, explanation of how turfgrass is Florida-Friendly; turfgrass species for home lawns and commercial properties; how to select appropriate turfgrass species, and Best Management Practices for fertilization, shade tolerance, mowing & beyond. Learn more.

Course Registration Options
Keywords: environmental - landscaping - florida-friendly landscaping - lawn maintenance - fertilization - turf - grass - turfgrass identification - best management practices - bmp - water conservation - low water landscaping -

Maintenance with Florida-Friendly Landscaping™
The Florida-Friendly Landscaping™ Program’s

Florida Fertilizer Ordinance
Mobile Web Application

Collaborators: Bryan Unruh and Serena Yang
What Is the Florida Fertilizer Ordinance App?

• A quick reference of restrictions for Florida’s many county and municipal fertilizer application ordinances

• A geolocating mobile web application for fertilizer applicators, using a map interface for easy access
Ordinance Details

77+ Florida county/municipal ordinances:

• Blackout dates, if any
• Weather restrictions
• Annual N limit
• Maximum soluble N per application
Ordinance Details

77+ Florida county/municipal ordinances:

• Minimum setback with deflector
• Slow release requirement
• $P_2O_5$ content limit
• Sales restriction
• Date of ordinance adoption/revision
Map Interface

- App uses Google’s map engine
- Search by city, county, or address
- Or, drag and zoom on map
- Or, go to user location
- Toggle between map & satellite view
Ordinance Summary

Tap or click map to display key ordinance restrictions.

Includes link to full ordinance (Municode website or PDF).

**description:**

**name:** Gainesville

**COUNTY:** Alachua

- Blackout dates
- Other restrictions
FFL Certification

• Collaborators: Whitney Elmore, Lynn Barber, Gail Hansen, and Wendy Wilbur

• 6 h online modules
• 2 h classroom (1 h Field and 1 h classroom)
THANK YOU!