Florida-Friendly Landscaping™

Online Applications

◊ FFL Butterfly Gardens Mobile Webb App

◊ Online FFL CEUs

Esen Momol and Gail Hansen
Collaborators: Jaret Daniels, CJ Bain, Claire Lewis, Jen Marvin, John Bossart, Wendy Wilber, and Kathy Malone
Florida-Friendly Landscaping™
Butterfly Gardens
Mobile Web App
• Purpose:
  – Encourage butterfly gardening
  – Promote Florida-Friendly Landscaping™ principles
  – Provide extensive data on Florida-friendly plants and Florida’s butterflies
• Create multiple gardens.
• Define site characteristics – USDA Zone – Light – Soil moisture
Guidance for type and number of plants for garden size

- Container (< 10 sq ft)
- Small (10-50 sq ft)
- Medium (50-200 sq ft)
- Large (>200 sq ft)
• **Tips for attracting butterflies and garden design**

- **Butterfly Tips**
  - Plant a mix of colors, flower shapes and bloom times to attract a variety of butterfly species.
  - Pick host plants that butterflies in your area need for their eggs and larvae.
- **Landscape Design Tips**
  - Plan for the mature plant size in your layout.
  - Layer groups of plants with various heights and shapes.
  - Use plant textures to provide visual interest.

Ready to select plants?

See the tips below for guidance. You may want to sketch a layout for your garden on paper as a guide.
• 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
• Select from plants that match site criteria

• Key attributes for quick reference

• Tap for plant details
• 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
• Tap for plant details:
  - Hardiness zone
  - Height, spread
  - Optimal light and range
  - Drought tolerance
  - Soil texture/pH/moisture
  - Flower size, color, months
  - Foliage and fruit colors
  - Shape/growth habit
  - Salt tolerance

Butterfly species hosted
Native status
Other wildlife attracted
Leaf size, texture, persistence
Pests/diseases
Nematode tolerance
Wind resistance
Final Deliverables

• The new mobile web application
• An online user’s guide
• An EDIS publication
Florida-Friendly Landscaping™
Online Applications

◊ Online CEUs

Landscape Architects and CAMs
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™

Registration Date(s): 03/14/2017
Fee: $25
Agricultural and Life Sciences/IFAS
The Florida-Friendly Landscaping™ Program’s

Florida Fertilizer Ordinance

Mobile Web Application

Bryan Unruh and Esen Momol
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
- 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
Display Options

- Map is color coded to show cities and counties with ordinances
- Display outlines for cities, counties, or both

Note: The database currently has only minimal sample data
Ordinance Summary

**description:**

**name:** Gainesville  
**COUNTY:** Alachua

- Blackout dates
- Other restrictions

Tap or click map to display key ordinance restrictions

Includes link to full ordinance (Municode website or PDF)
Users can provide feedback on local ordinance changes.
Status

- App development (by IFAS IT) and data compilation are in process now
- Test release planned for June 2017
- Annual subscription $9.99