Power of Pollinators

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LEON
FLORIDA'S CAPITAL COUNTY

Florida-Friendly Landscaping™ PROGRAM

Introduction

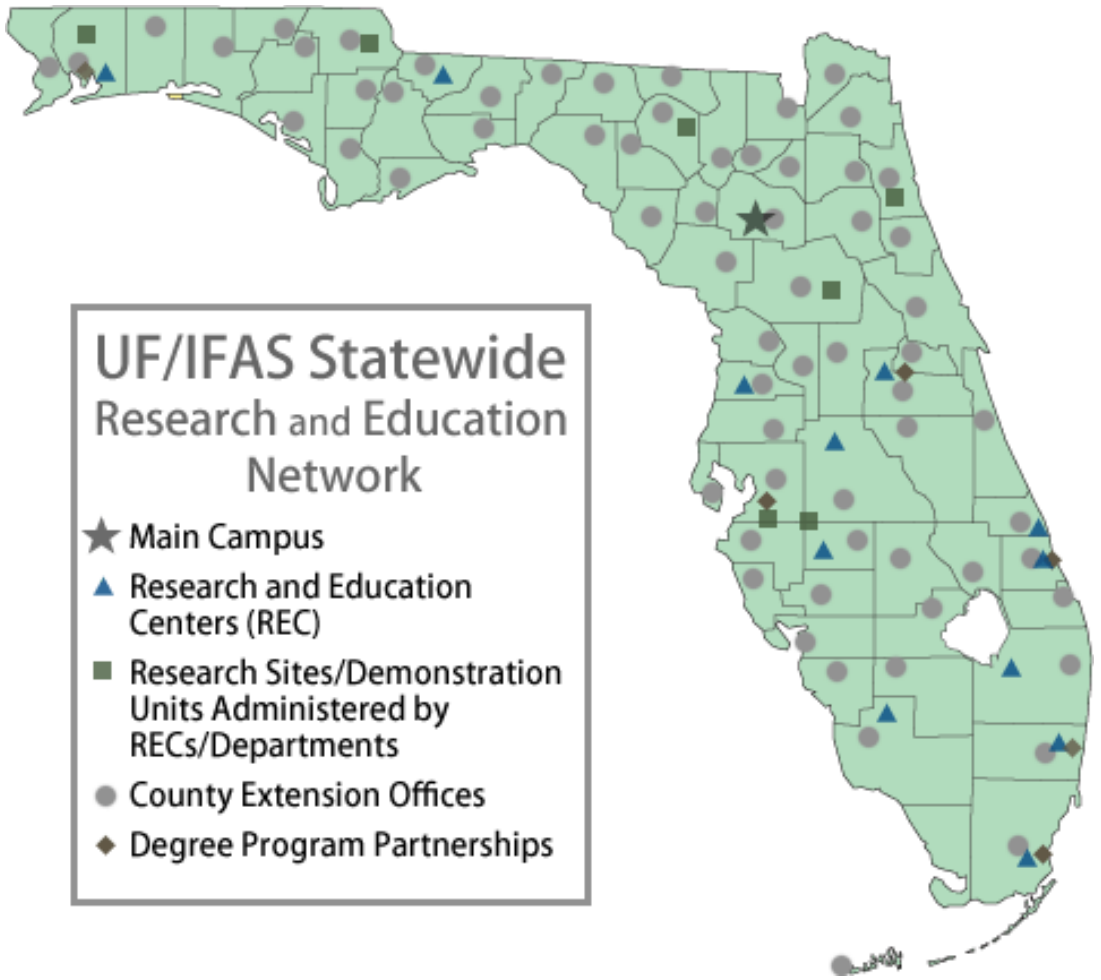
Thanks for Invitation!

Mark Tancig
Horticulture Extension Agent
UF/IFAS Extension Leon County
615 E. Paul Russell Rd.
850-606-5200
tancig00@ufl.edu

Introduction – UF/IFAS Extension

For over 100 years, Extension Offices around the country have been providing information to improve the lives of those in their community.

The UF/IFAS Extension Leon County office provides research-based technical assistance and educational resources from the University of Florida and Florida Agricultural and Mechanical University to Leon County citizens.



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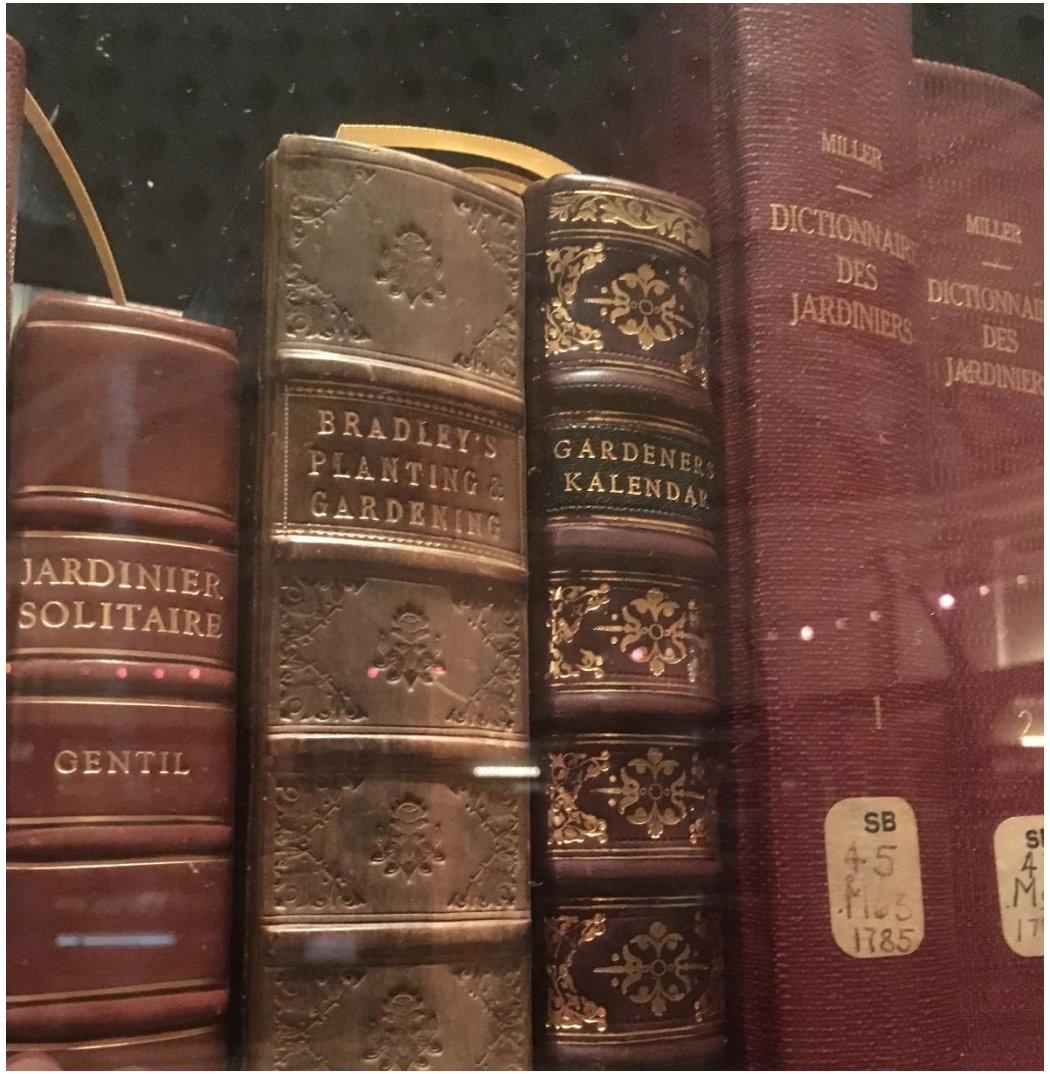
FLORIDA AGRICULTURAL MECHANICAL UNIVERSITY
HEAD HEART HAND FIELD 1887

Learning Objectives

- Introduction
- Types of Pollinators
- Benefits of Pollinators
- Threats Facing Pollinators
- Pollinator Best Practices
- Pollinator Plant Examples



Power of Pollinators

Types of Pollinators

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Benefits of Pollinators

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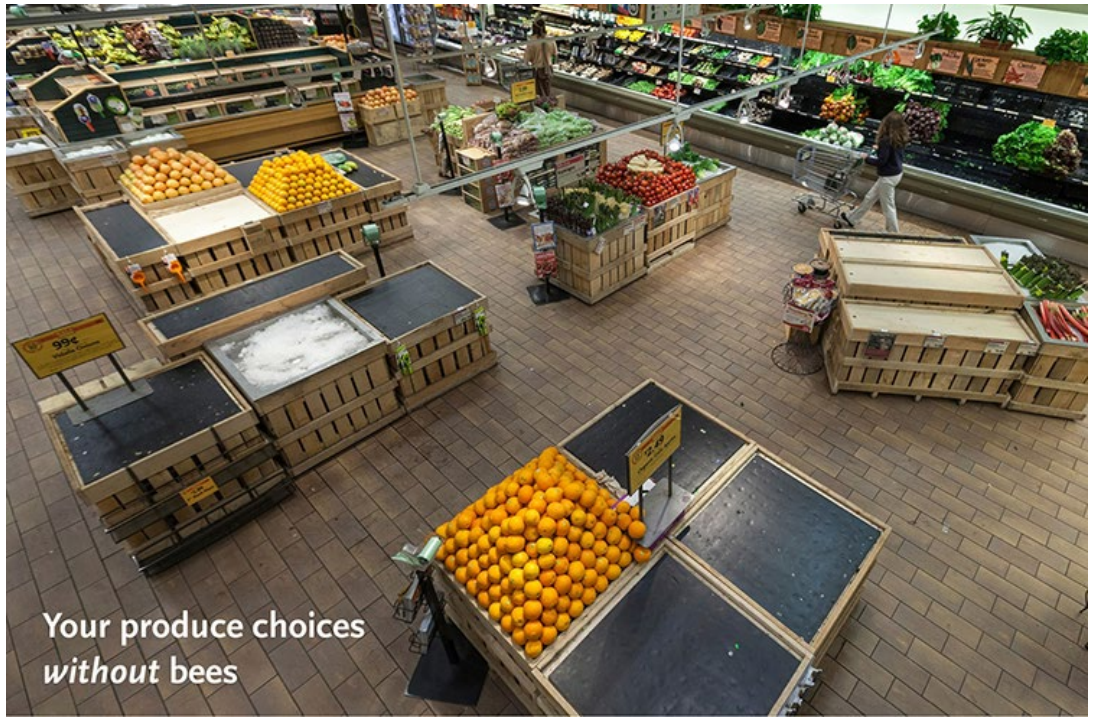
Benefits of Pollinators



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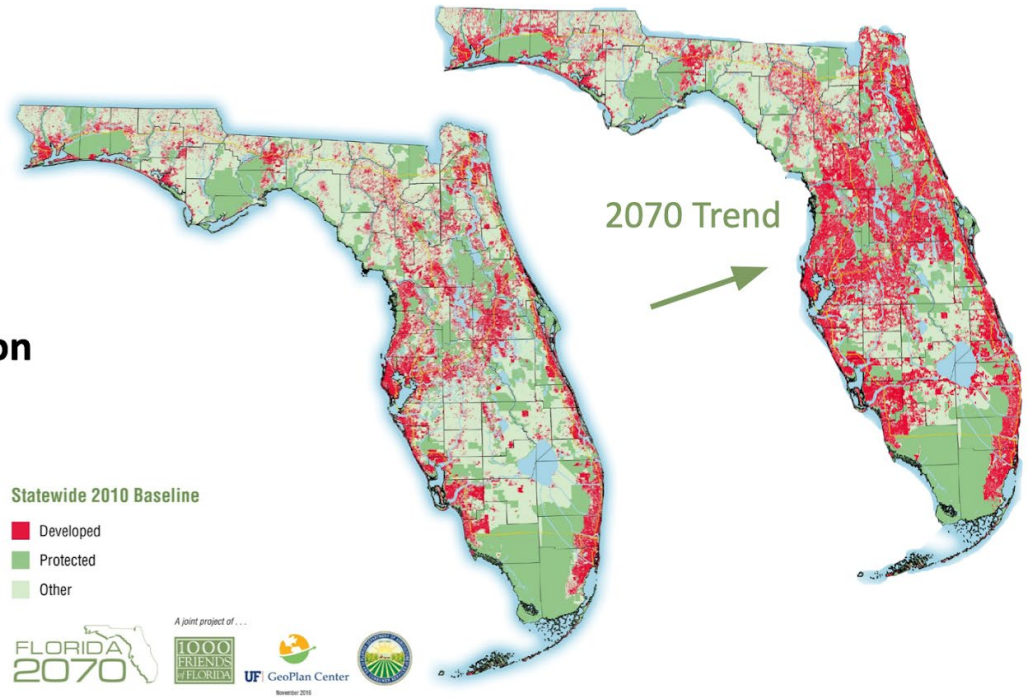
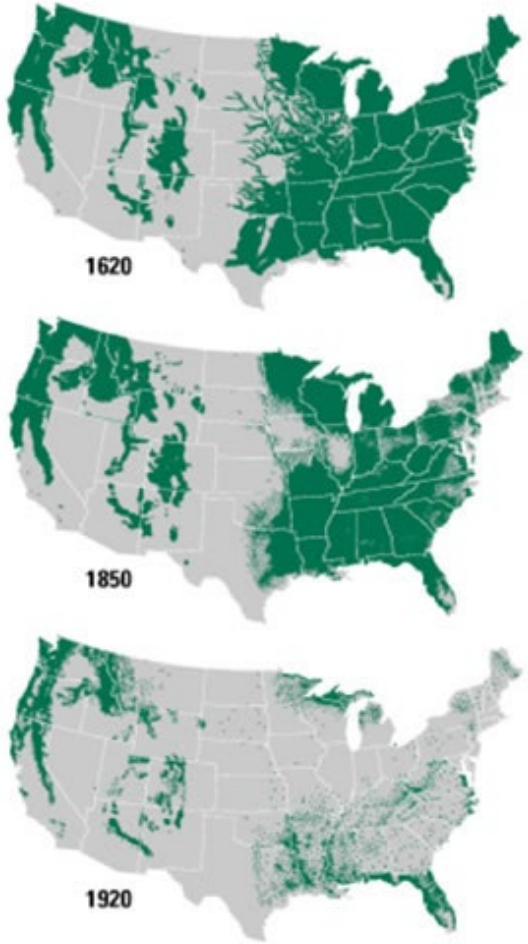
Threats Facing Pollinators

Florida Urbanization



Area of primary forests in the United States (lower 48)
(around 1620, top; and 1850 middle; 1920, bottom)



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Threats Facing Pollinators

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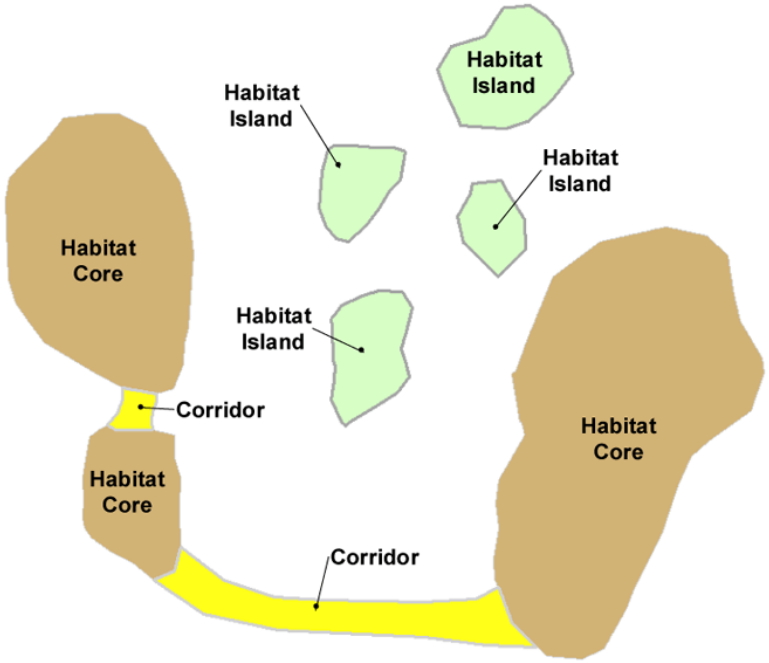
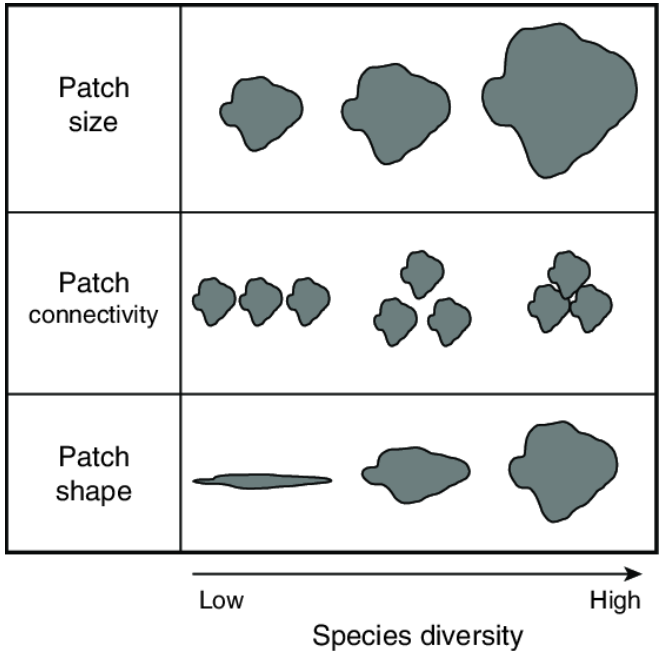
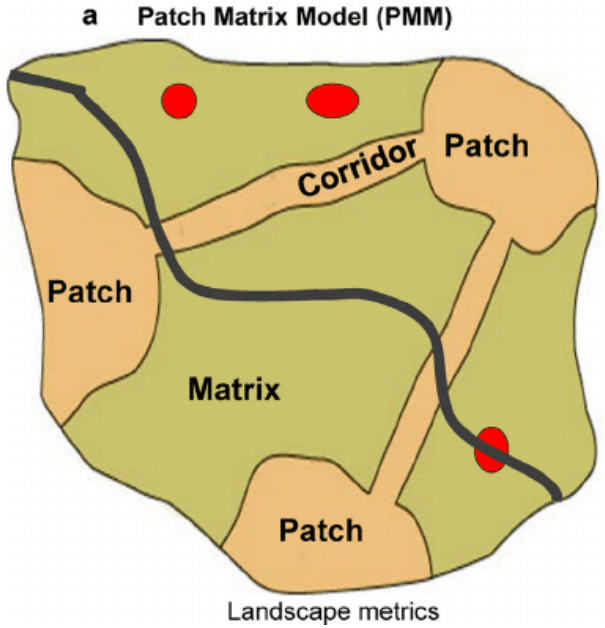
Pollinator Best Practices

We can *individually* and *collectively* make a difference through our gardens.







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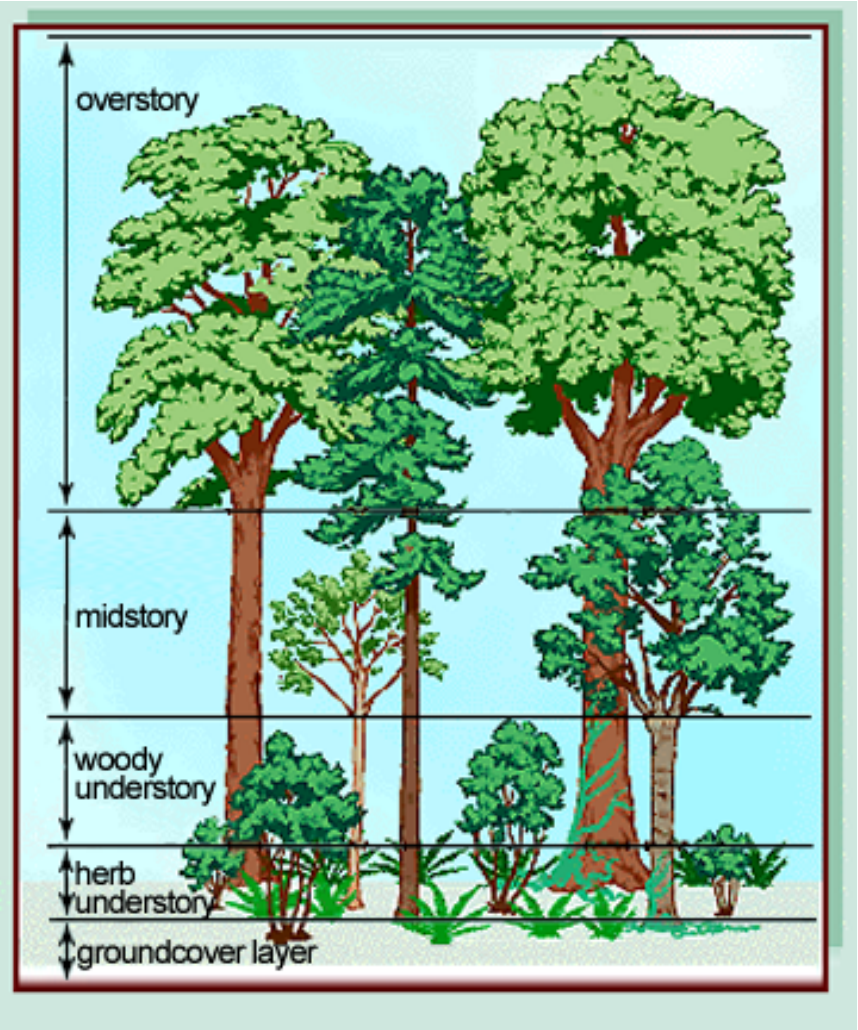
Pollinator Best Practices

- Ways to Attract Wildlife (from Florida-Friendly Landscaping Program)
  - Provide food (with plants) – water – shelter – space to raise young
  - Plant a diversity of species
  - Plan for a diversity of vertical layers
  - Take it easy on the pesticides

- Don’t forget dead stuff – twigs, branches, snags, leaves



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Pollinator Plant Examples

- Plants with abundant and accessible pollen and nectar
- Plants with clusters of flowers
- Plants with flat flowers with various-length flower tubes (corollas)
  - Many native wild bees have relatively short proboscises (tongues) and may not be able to access nectar from flowers with long tubes
  - Flowers with long floral tubes can attract other pollinators with long tongues or beaks such as butterflies, moths, and hummingbirds

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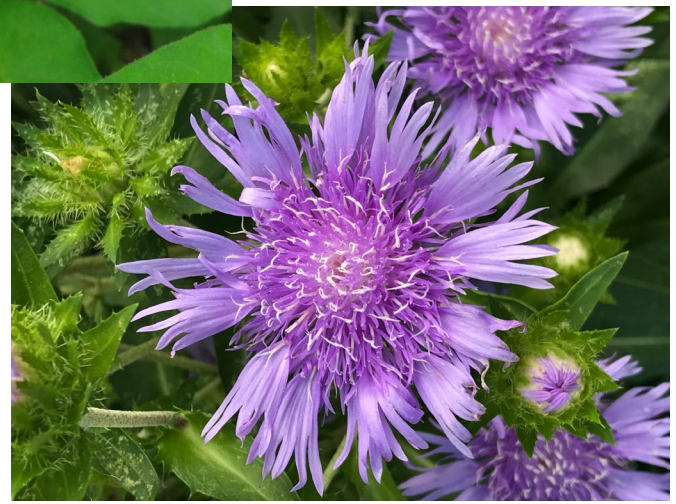
Pollinator Plant Examples

- Milkweeds (*Asclepias* spp.) - tropical milkweed not recommended
- Tickseed (*Coreopsis* spp.)
- Beach Dune Sunflower (*Helianthus debilis*)
- Blazing Star (*Liatris* spp.)
- Black-eyedSusan (*Rudbeckia* spp.)
- Stokes' Aster (*Stokesia laevis*)
- Spotted Beebalm (*Monarda punctata*)
- Sage (*Salvia* spp.)



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Resources

- UF/IFAS Resources
  - Attracting Native Bees to Your Florida Landscape
  - Performance of Native Florida Plants…
  - Common Native Wildflowers of North Florida
- Florida Wildflower Foundation
  - 20 Easy-To-Grow Wildflowers
- Florida Wildflower Cooperative - www.floridawildflowers.com
- Xerces Society - xerces.org

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Attracting Native Bees to Your Florida Landscape [1]

Rachel E. Mallinger, Wayne Hobbs, Anne Yasalonis, and Gary Knox[2]