

# Winter Plant Identification Training

For NRCS Field Office Staff

POLLINATOR  
PARTNERSHIP

Eleanor Schumacher, NRCS Liaison ~ Pollinator Partnership

[www.pollinator.org](http://www.pollinator.org)



# Familiar Sights in the Field - not indications of quality habitat

**Big Bluestem**  
- *Andropogon gerardii*

**Tall or Canada Goldenrod**  
- *Solidago altissima/canadensis*

**Giant Ragweed**  
- *Ambrosia trifida*

Photos: Eleanor Schumacher



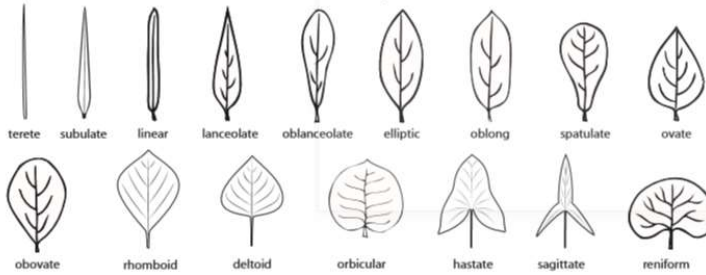


# Getting familiar with botanical terminology

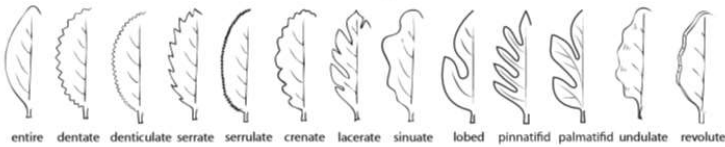


## Illustrated Plant Structures

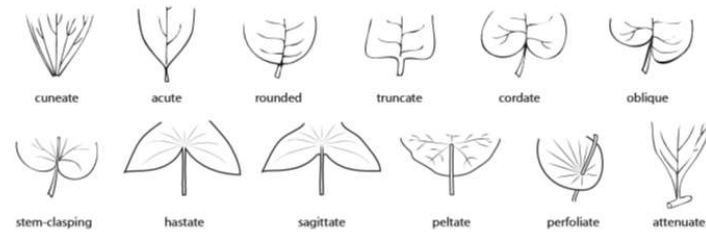
### Leaf Shapes



### Leaf Margins



### Leaf Bases

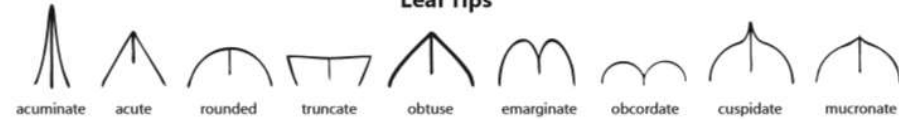


plants.ifas.ufl.edu/education

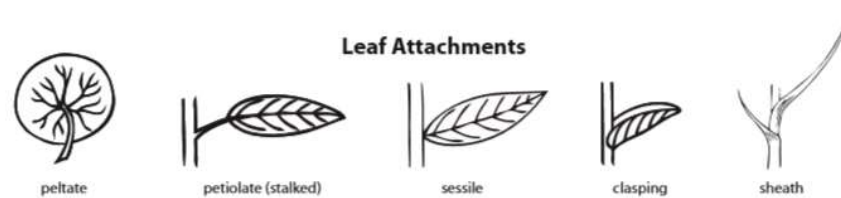
University of Florida  
© 2012

1

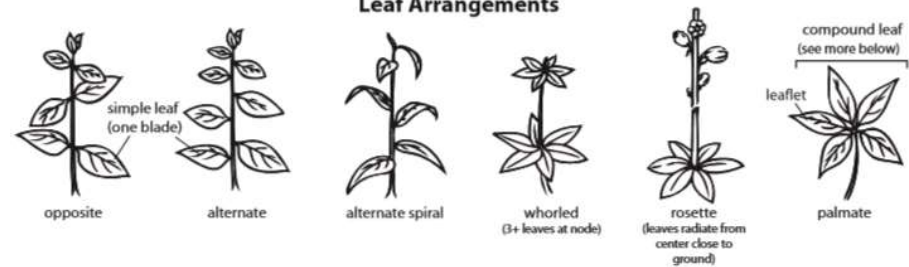
### Leaf Tips



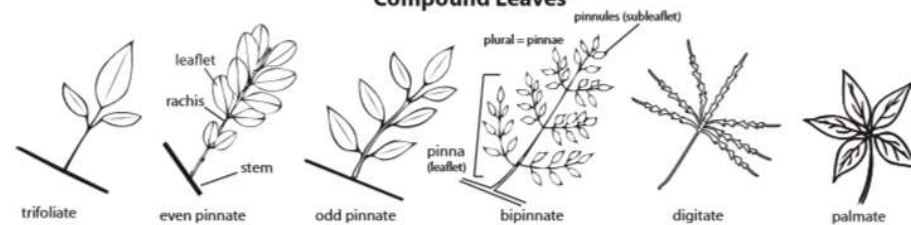
### Leaf Attachments



### Leaf Arrangements



### Compound Leaves



POLLINATOR  
PARTNERSHIP

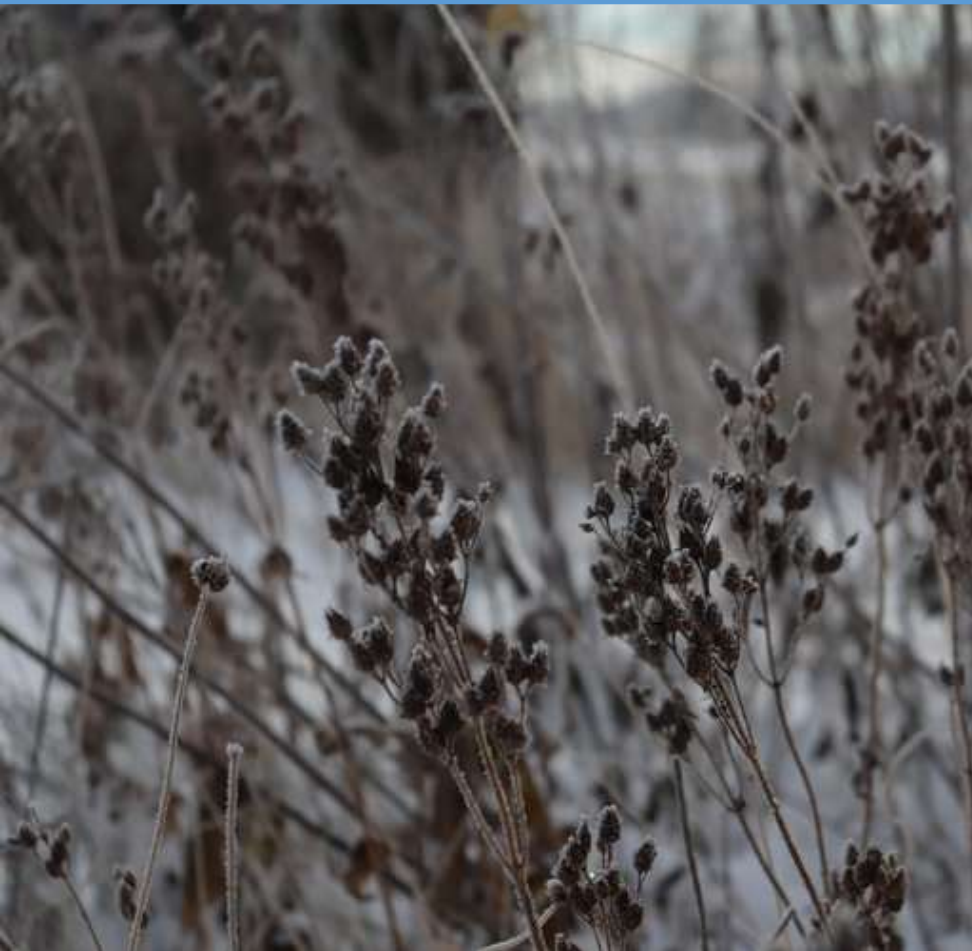
*Penstemon digitalis*  
foxglove beardtongue





*Penstemon digitalis*  
foxglove beardtongue

Photos: Shaun Booth – In Our Nature



**POLLINATOR  
PARTNERSHIP**



*Baptisia alba, bracteata, australis*  
wild white, cream and false indigo



Photos: Arthur Barnes

**POLLINATOR  
PARTNERSHIP**



*Baptisia alba, bracteata, australis*  
wild white, cream or false indigo



Photos: Amber Barnes

**POLLINATOR  
PARTNERSHIP**



# *Asclepias* species milkweeds



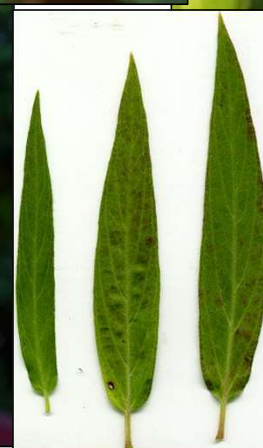


*Asclepias syriaca*  
common milkweed





# *Asclepias incarnata* swamp milkweed



POLLINATOR  
PARTNERSHIP



# *Asclepias tuberosa* butterfly milkweed



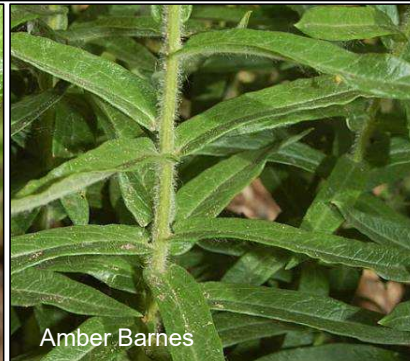
© 2009 Katy Chayka



Amber Barnes



Amber Barnes



Amber Barnes

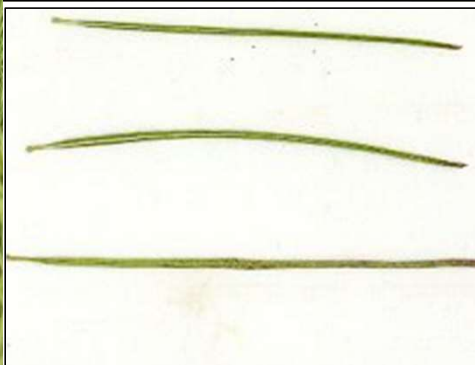


Amber Barnes

POLLINATOR  
PARTNERSHIP



# *Asclepias verticillata* whorled milkweed



**POLLINATOR  
PARTNERSHIP**



# *Asclepias* Winter ID

*pictured: common milkweed*



Photos: Amber Barnes

**POLLINATOR  
PARTNERSHIP**



# Don't be fooled by other milky sap producing plants...

## *Spreading Dogbane (Apocynum androsaemifolium)*





*Rudbeckia hirta*  
black-eyed susan



POLLINATOR  
PARTNERSHIP



*Rudbeckia hirta*  
black-eyed susan





*Veronicastrum virginicum*  
culver's root



Amber Barnes



*Veronicastrum virginicum*  
culver's root





*Ratibida pinnata*  
yellow coneflower or gray-headed coneflower



© Keir Morse



POLLINATOR  
PARTNERSHIP



*Ratibida pinnata*  
yellow coneflower or gray-headed coneflower





*Verbena hastata*  
blue vervain

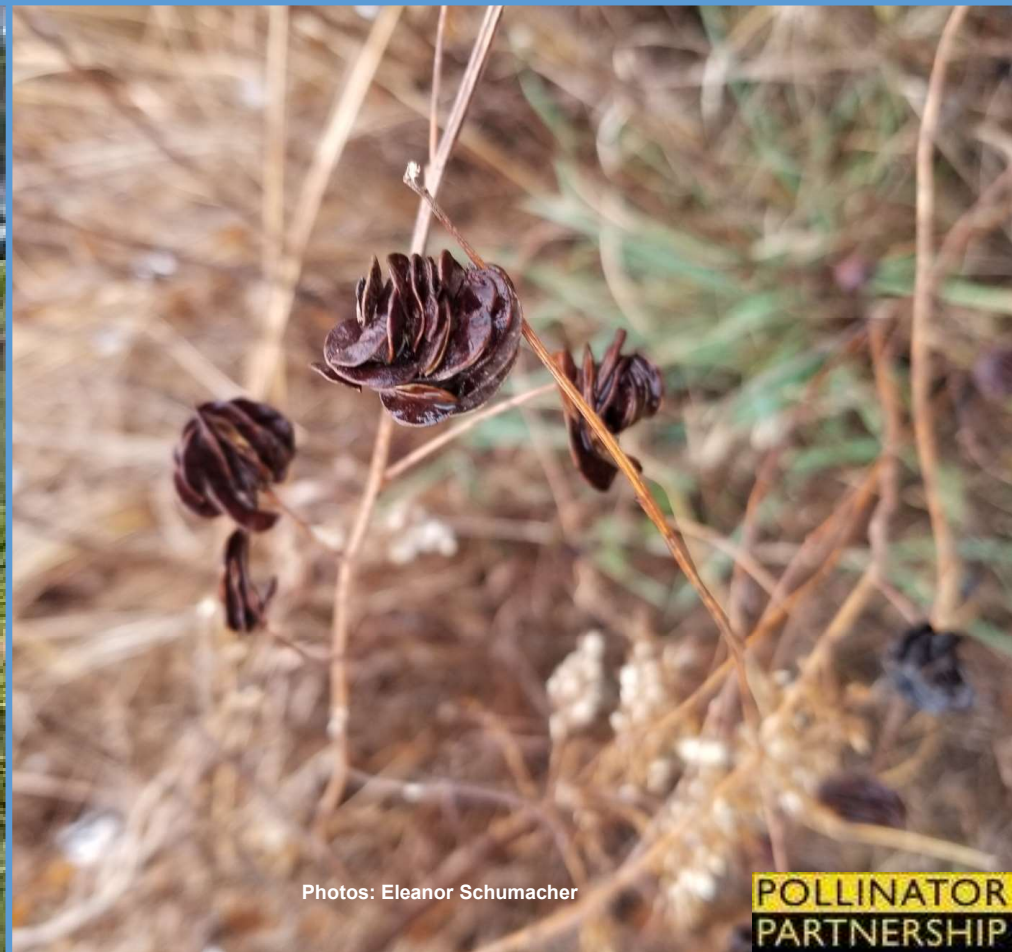


Photos: Eleanor Schumacher

**POLLINATOR  
PARTNERSHIP**



*Desmanthus illinoensis*  
Illinois bundleflower



Photos: Eleanor Schumacher

**POLLINATOR  
PARTNERSHIP**



*Eryngium yuccifolium*  
rattlesnake master



Photo: Amber Barnes



Photos: Eleanor Schumacher



**POLLINATOR  
PARTNERSHIP**



*Silphium laciniatum, terebinthinaceum*  
compass plant, prairie dock



Photos: Amber Barnes



POLLINATOR  
PARTNERSHIP



# *Helianthus mollis* ashy sunflower





*Helianthus divaricatus*  
woodland sunflower



Photos: Shaun Booth – In Our Nature

POLLINATOR  
PARTNERSHIP



*Chamaecrista fasciculata*  
partridge pea



Photos: Amber Barnes



Photo: Eleanor Schumacher

**POLLINATOR  
PARTNERSHIP**



# *Oenothera biennis* common evening primrose





*Pycnanthemum tenuifolium*  
narrowleaf mountain mint



© 2003 Eleanor Saulys



Photo: Amber Barnes



Photo: Eleanor Schumache

**POLLINATOR  
PARTNERSHIP**



# *Pycnanthemum virginianum* Virginia mountain mint



Amber Barnes

Amber Barnes

Amber Barnes

**POLLINATOR  
PARTNERSHIP**



# *Heliopsis helianthoides* ox-eye sunflower



Dan Tenaglia, Missouri Plants



PSSF  
© K. R. Robertson  
Illinois Natural  
History Survey



Prairie Moon Nursery

**POLLINATOR  
PARTNERSHIP**



# *Echinacea purpurea* purple coneflower





# *Monarda fistulosa* wild bergamot





*Coreopsis tripteris*  
tall coreopsis



Photo: Eleanor Schumacher



Photos: Amber Barnes

**POLLINATOR  
PARTNERSHIP**



# *Helenium autumnale* sneezeweed



Photos: Amber Barnes



Photo: April Moore

**POLLINATOR  
PARTNERSHIP**



# *Oligoneuron rigidum* stiff goldenrod



**POLLINATOR  
PARTNERSHIP**



*Gentiana andrewsii*  
bottle gentian

Photo: R. W. Smith



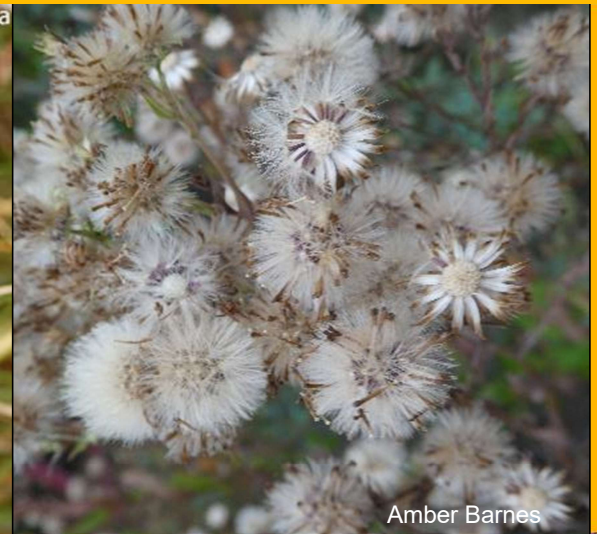
Photo: Shaun Booth – In Our Nature



POLLINATOR  
PARTNERSHIP



*Symphotrichum laeve* ~ smooth blue aster  
*Symphotrichum novae-angliae* ~ New England aster



Amber Barnes



Amber Barnes



POLLINATOR PARTNERSHIP





*Thank you!*



**POLLINATOR  
PARTNERSHIP**