



# Butterfly Gardens 101

## I. Resources to Prepare a Lesson Plan

- A. What is a Butterfly –  
<http://www.uky.edu/Ag/CritterFiles/casefile/insects/butterflies/butterflies.htm>
- B. How to Make a Butterfly Garden - <https://entomology.ca.uky.edu/ef006>;  
[www.bobvila.com/articles/how-to-make-a-butterfly-garden/](http://www.bobvila.com/articles/how-to-make-a-butterfly-garden/)
- C. Attracting Butterflies with Plants -  
<http://www2.ca.uky.edu/agcomm/pubs/for/for98/for98.pdf>
- D. Build a Butterfly Garden - <https://4-h.ca.uky.edu/news-story/build-butterfly-garden>
- E. Attracting Butterflies to Your Garden PowerPoint -  
[https://extension.tennessee.edu/MasterGardener/DocumentsAgentResources/DraftPresentations/Attracting Butterflies to Your Garden.zip](https://extension.tennessee.edu/MasterGardener/DocumentsAgentResources/DraftPresentations/AttractingButterfliesToYourGarden.zip)
- F. Butterfly Gardening -  
<https://extension.tennessee.edu/publications/Documents/PB1636.pdf>
- G. Butterfly Garden Designs – <http://www.glorious-butterfly.com/butterfly-garden-design.html>
- H. Gardening for Butterflies - <http://extension.psu.edu/natural-resources/wildlife/landscaping-for-wildlife/pa-wildlife-8>
- I. Butterfly Waystations - <http://www.kentucky.com/living/home-garden/article44435241.html>
- J. Common Butterflies of Kentucky -  
<http://www.uky.edu/hort/butterflies/Common-butterflies-in-Kentucky>
- K. Butterfly Garden Designs - <http://www.uky.edu/hort/butterflies/Butterfly-garden-design>
- L. Pollination Fast Facts - [www.pollinator.org](http://www.pollinator.org)
  - 1. List of Pollinated Foods
  - 2. Pollinator Syndromes
  - 3. Educators & Students
  - 4. Food Industry
  - 5. For Gardeners
  - 6. Ways you can Help!
  - 7. For Farmers and Ranchers
- M. Monarch Waystation Program - <http://monarchwatch.org/waystations/index.html>
- N. For Free Milkweed Plants - <http://www.monarchwaystationnetwork.res.ku.edu/>

## II. Materials Needed

- A. Kentucky Native Plants
  - 1. <http://www.dropseednursery.com/product-tag/butterfly-attracting/>



2. [http://www.louisvillewater.com/sites/louisvillewater.com/files/user\\_uploads/Water%20Quality/Wellhead%20Protection/Chapter%204%20Native%20Plants.pdf](http://www.louisvillewater.com/sites/louisvillewater.com/files/user_uploads/Water%20Quality/Wellhead%20Protection/Chapter%204%20Native%20Plants.pdf)
3. <https://uswildflowers.com/stateref.php?State=KY>
4. <https://growappalachia.berea.edu/2016/05/05/flowers-for-pollinators/>
5. <http://pollinator.org/PDFs/Guides/EBFContinentalrx13FINAL.pdf>

- B. Bedding or Pots
  1. Landscape timbers
  2. Potting Soil
  3. Mulch
  4. Rocks
  5. Baskets & Hangers – hanging, slotted, shiny
- C. Tools
  1. Shovels
  2. Hoses
  3. Wagon/wheelbarrow
  4. Gloves
  5. Totes
  6. Storage chest
  7. Weathervane
- E. Butterfly House Kits
- F. Butterflies - <http://www.clearwaterbutterfly.com/>

III. Budget Range – Range of \$1500-\$2650

A.	Kentucky Native Plants	\$500
B.	Bedding or Pots	\$1,000
C.	Tools	\$750
D.	Butterfly House Kits	\$200
E.	Butterflies	\$200

IV. Example Project – Cumberland County Conservation District

- A. Grant Application who provided these details: Wanda Gilbert, Cumberland County Conservation District, [wanda.gilbert@gmail.com](mailto:wanda.gilbert@gmail.com).

The Outdoor Classroom Fossil Center was built in 2008 and restored into a Pollination Garden in 2017. The weeds and grass were cleared from the ground. We laid the geotextile (filter fabric) on the ground and placed medium and large rocks around the outside of the garden to form a border. The filter fabric and gravel helps keep the weeds out.



After cutting holes in the filter fabric, we planted pollinator plants and flowers. With all plants in the ground, we covered the exposed filter fabric with gravel. In the middle of the garden, we planted a rose bush with a rock boarder.

When I need to add more plants, I just remove the gravel, cut a hole in the filter fabric, plant the plant and place the gravel back around the plant, but not too close.

The Pollination Garden was created in 2017. We started by designing and building a raised rock bed. We placed gravel in the bottom of the bed and put potting soil on the rocks. After planting the pollinator plants, we covered the exposed soil with mulch.

We purchased and assembled eight butterfly house kits and placed the butterfly houses on a stick in the middle of the garden.

We then built a wooden flower bed by placing potting soil in the bed and planting pollinator plants. The exposed soil with covered with mulch.

All plants and flowers used are Native Kentucky Plants

## V. Complementary Projects

- A. Rain Barrels
- B. Beekeeping 101