

## Butterflies

Butterflies, like moths, need a habitat that can support their different life stages. Adults lay eggs on plants that will be eaten by the caterpillars once they hatch.

To attract butterflies:

- ◆ Plant a wide variety of flowers. Butterflies like aromatic red and purple flowers that are odorous, provide ample nectar, and have narrow tubes with wide landing pads.
- ◆ Provide a flat rock for butterfly sunbathing.
- ◆ Plant shrubs and tall grasses to be used as shelters during adverse weather.
- ◆ Provide a shallow source of water.



James Yardly

Flowers that attract butterflies include:  
Milkweed, butterfly bush, and tickweed

## Want to Learn More?

There are many detailed guides available online on how to create vegetative habitat for pollinators.

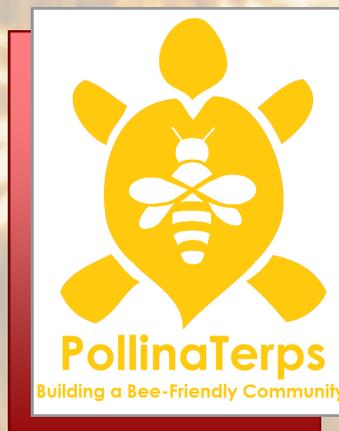
And remember, for all pollinators:

- ◆ Try to only plant native plants and flowers.
- ◆ Provide a shallow water source.
- ◆ Avoid the use of pesticides.
- ◆ Try to plant a variety of plants that bloom during different seasons.



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PollinaTerps is a group of University of Maryland (UMD) students, staff, faculty, local scientists and local community members working to build a bee friendly community through research, education, habitat creation and preservation. UMD partners include the Department of Entomology, the campus Arboretum, Dining Services, and Extension.



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# VEGETATIVE HABITAT FOR NATIVE POLLINATORS



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## Types of Pollinators

Most people think of honey bees as the only type of pollinator, but there are many different species that pollinate. In Maryland, pollinators include native bees, beetles, moths, hummingbirds, flies and butterflies—and you can help sustain their populations by planting a diverse vegetative habitat.

### Native Bees

Native bees create nests in hollow reeds or twigs, holes in wood, or most commonly, in tunnels in the ground.



*Forest Wander*

In order to attract native bees to your garden there are a few things to keep in mind:

- ◆ Plant flowers in clusters—it makes them easier for bees to see when they are flying
- ◆ Plant flowers of varying shapes and colors
- ◆ Plant flowers that bloom in various seasons
- ◆ Provide water sources
- ◆ Bees prefer aromatic flowers that are bright white, yellow or blue

**Flowers that attract native bees include:  
Lavender, Phacelia, Salvia, and Sunflowers**

### Beetles

Beetles are among essential pollinators, especially for ancient species such as magnolia and spice bush. They are known as “mess and soil” pollinators because they defecate within flowers.

Beetles like flowers that:

- ◆ Are white or green
- ◆ Have a strong fruity odor
- ◆ Open during the day
- ◆ Are bowl-shaped



*Jacob Werther*

**Flowers that attract beetles include:  
Magnolia flowers, Golden rods, and Spirea**

### Moths

Moths need a habitat that can support their different life stages. Moth eggs are laid on plants that will serve as food for the larva once they hatch.

A few ways to attract moths are:

- ◆ Plant night-scented flowers
- ◆ Grow mixed plants
- ◆ Plant hedges for habitat
- ◆ Provide low light in the garden at night



*Jon Sullivan*

**Flowers that attract moths include:  
Butterfly bush, Cleome, and Honeysuckle**

### Hummingbirds

In Maryland, hummingbirds can typically be found in meadows and forest edges.

To attract hummingbirds:

- ◆ Provide a feeder filled with sugar water
- ◆ Plant red flowering plants that are known for providing substantial amounts of nectar
- ◆ Provide a bird bath for water and bathing



*John Mosesso*

**Flowers that attract hummingbirds include:  
Cardinal flower, Trumpet creepers, and Liatris**

### Pollinating Flies

Unlike many pollinators, pollinating flies seek mainly pollen—not nectar. When planting for pollinating flies, choose flowers that:

- ◆ Are brown or purple
- ◆ Produce substantial amounts of pollen
- ◆ Have a musty odor



*Forest Wander*

**Flowers that attract pollinating flies include:  
Sedge and Dutchman's pipe**