



HOST PLANTS For Select Georgia Butterflies and Moths

Trying to attract more butterflies to your garden? It's easy when you include host plants! Adult butterflies lay their eggs on specific plants, called "host plants," which serve as food sources for their larvae. Once consumed, these plants often re-sprout their leaves within the same growing season. Seemingly as payment for services rendered, butterflies (and other insects) pollinate the plants, as they take breaks from egg-laying to sip upon nectar. Witness this cycle in your own garden!

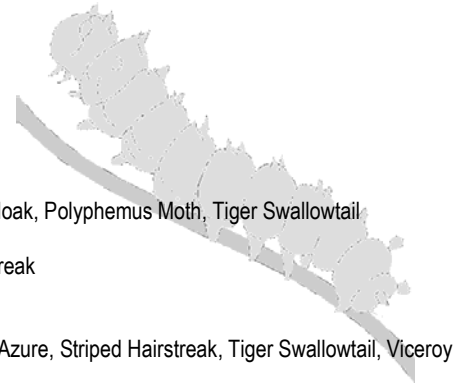
Native Woody Trees and Shrubs

Adam's Needle *Yucca* sp.
Alder *Alnus serrulata*
Ash *Fraxinus* sp.
Azalea *Rhododendron* sp.
Basswood (Linden) *Tilia* sp.
Beech *Fagus grandifolia*
Birch *Betula* sp.
Blackberry *Rubus* sp.
Blueberry *Vaccinium* sp.
Butternut (White Walnut) *Juglans cinerea*
Catalpa *Catalpa bignonioides*
Cherry, Black *Prunus serotina*
Chestnut, Chinquapin *Castanea* sp.
Chickasaw Plum *Prunus angustifolia*
Cottonwood *Populus deltoides*
Crabapple *Malus angustifolia*.
Dogwood *Cornus* sp.
Elm *Ulmus* sp.
Gooseberry *Ribes* sp.
Hackberry *Celtis* sp.
Hawthorn *Crataegus* sp.
Hazel Nut (Filbert) *Corylus americana*
Hickory *Carya* sp.
Holly, American *Ilex opaca*
Huckleberry *Gaylussacia* sp.
Leadplant *Amorpha fruticosa*
Locust, Black *Robinia pseudacacia*
Locust, Honey *Gleditsia triacanthos*
Maple *Acer* sp.
Mistletoe *Phoradendron* sp.
Mountain Laurel *Kalmia latifolia*
Mulberry *Morus* sp.
Musclewood *Carpinus caroliniana*
New Jersey Tea *Ceanothus americanus*
Oak *Quercus* sp.



Pawpaw *Asimina* sp.
Pecan *Carya illinoensis*
Persimmon *Diospyros virginiana*
Pine *Pinus* sp.
Prickly-Ash *Zanthoxylum* sp.
Red Bay (Persea) *Persea* sp.
Redbud *Cercis canadensis*
Redcedar *Juniperus virginiana*
Sassafras *Sassafras albidum*
Serviceberry *Amelanchier* sp.
Spicebush *Lindera benzoin*
Spirea *Spiraea tomentosa*
St. Johnswort *Hypericum* sp.
Sumac *Rhus* sp.
Sweetbay *Magnolia virginiana*

Yucca Moth, Cofaqui Skipper, Yucca Skipper
 Luna Moth
 Baltimore, Harvester, Tiger Swallowtail
 Brown Elfin, Datana Major Moth (Azalea Caterpillar)
 Polyphemus Moth, Question Mark, Tiger Swallowtail
 Early Hairstreak, Harvester, Luna Moth
 Cecropia Moth, Dreamy Dusky Wing, Luna Moth, Mourning Cloak, Polyphemus Moth, Tiger Swallowtail
 Striped Hairstreak
 Brown Elfin, Red-spotted Purple, Spring Azure, Striped Hairstreak
 Banded Hairstreak
 Catalpa Sphinx Moth
 Cecropia Moth, Coral Hairstreak, Red-spotted Purple, Spring Azure, Striped Hairstreak, Tiger Swallowtail, Viceroy
 Polyphemus Moth
 Coral Hairstreak, Henry's Elfin, Red-spotted Purple, Striped Hairstreak, Viceroy
 Cecropia Moth, Dreamy Dusky Wing, Mourning Cloak, Red-spotted Purple, Tiger Swallowtail, Viceroy
 Cecropia Moth, Cloudless Sulphur, Spring Azure, Viceroy
 Cecropia Moth, Spring Azure
 Comma (Hop Merchant), Mourning Cloak, Polyphemus Moth, Question Mark
 Harvester, Green Comma, Red-spotted Purple
 American Snout, Comma, Hackberry, Mourning Cloak, Question Mark, Tawny Emperor
 Gray Hairstreak, Harvester, Hummingbird Clearwing, Northern Hairstreak, Red-spotted Purple
 Juvenal's Dusky Wing
 Banded Hairstreak, Hickory Horned Devil (Royal Walnut Moth), Luna Moth, Polyphemus Moth
 Henry's Elfin
 Harvester
 Dogface, Mottled Dusky Wing, Silver-spotted Skipper
 Silver-spotted Skipper, Zarucco Duskywing
 Painted Lady, Silver-spotted Skipper
 Cecropia Moth, Luna Moth, Polyphemus Moth
 Great Purple Hairstreak
 Brown Elfin
 Red-spotted Purple
 Red-spotted Purple
 Mottled Dusky Wing, Spring Azure
 Banded Hairstreak, Cecropia Moth, Dreamy Dusky Wing, Edward's Hairstreak, Gorgone Checkerspot, Gray Hair streak, Horace's Dusky Wing, Juvenal's Dusky Wing, Luna Moth, Northern Hairstreak, Polyphemus Moth, Red-banded Hairstreak, Red-spotted Purple, Southern Hairstreak, Striped Hairstreak, White-M Hairstreak
 Zebra Swallowtail
 Hickory Horned Devil (Royal Walnut Moth)
 Hickory Horned Devil (Royal Walnut Moth), Luna Moth
 Eastern Pine Elfin
 Giant Swallowtail, Spicebush Swallowtail
 Palamedes Swallowtail, Spicebush Swallowtail
 Henry's Elfin
 Eastern Pine Elfin, Olive Hairstreak (Juniper Hairstreak)
 Cecropia Moth, Palamedes Swallowtail, Spicebush Swallowtail, Tiger Swallowtail
 Striped Hairstreak, Coral Hairstreak
 Spicebush Swallowtail, Tiger Swallowtail
 Spring Azure
 Gray Hairstreak
 Hickory Horned Devil (Royal Walnut Moth), Red-banded Hairstreak, Spring Azure
 Cecropia Moth, Palamedes Swallowtail, Spicebush Swallowtail, Tiger Swallowtail





Native Woody Trees and Shrubs (continued)

Sweetgum <i>Liquidambar styraciflua</i>	Hickory Horned Devil (Royal Walnut Moth), Luna Moth
Sweetleaf (Horse Sugar) <i>Symplocos tinctoria</i>	King's Hairstreak
Tuliptree <i>Liriodendron tulipifera</i>	Red-spotted Purple, Tiger Swallowtail, Viceroy, Spicebush Swallowtail
Viburnum <i>Viburnum sp.</i>	Baltimore, Harvester, Hummingbird Clearwing, Spring Azure
Waferash (Hop-tree) <i>Ptelea trifoliata</i>	Giant Swallowtail
Walnut <i>Juglans nigra</i>	Banded Hairstreak, Hickory Horned Devil (Royal Walnut Moth)
Waxmyrtle <i>Myrica cerifera</i>	Red-banded Hairstreak
Willow <i>Salix sp.</i>	Comma (Hop Merchant), Dreamy Dusky Wing, Green Comma, Luna Moth, Milbert's Tortoise Shell, Polyphemus Moth, Red-spotted Purple, Spring Azure, Striped Hairstreak, Tiger Swallowtail, Viceroy, Mourning Cloak
Whitecedar <i>Chamaecyparis thyoides</i>	Hessel's Hairstreak
Witchhazel <i>Hamamelis sp.</i>	Dreamy Dusky Wing, Harvester

Native Vines

Dutchman's Pipevine <i>Aristolochia sp.</i>	Pipevine Swallowtail
Hog Peanut <i>Apios americana</i>	Juvenal's Dusky Wing, Long-tailed Skipper, Silver-spotted Skipper, Southern Cloudy Wing
Honeysuckle, Trumpet (or Coral) <i>Lonicera sempervirens</i>	Giant Leopard Moth, Hummingbird Clearwing
Moonseed <i>Menispermum canadense</i>	Variiegated Fritillary
Passion Flower <i>Passiflora incarnata</i>	Gulf Fritillary, Variiegated Fritillary, Zebra
Smilax (Catbrier) <i>Smilax sp.</i>	Olive Hairstreak (Juniper Hairstreak)
Wisteria, American <i>Wisteria frutescens</i>	Baltimore, Clouded Skipper, Horace's Dusky Wing, Long-tailed Skipper, Silver-spotted Skipper



Native Herbaceous Perennials, Annuals, and Biennials

Angelica <i>Angelica venenosa</i>	Black Swallowtail
Aster <i>Aster sp.</i>	Gorgone Checkerspot, American Painted Lady, Long-tailed Skipper, Painted Lady, Pearl Crescent, Silvery Checkerspot
Beggar's Tick <i>Desmodium sp.</i>	Eastern Tailed Blue, Hoary Edge, Long-tailed Skipper, Long-tailed Skipper, Northern Cloudy Wing, Silver-spotted Skipper
Black Snakeroot <i>Cimicifuga racemosa</i>	Spring Azure
Black-eyed Susan <i>Rudbeckia sp.</i>	Silvery Checkerspot
Bluestar <i>Amsonia tabernaemontana</i>	Coral Hairstreak
Broomsedge <i>Andropogon sp.</i>	Cobweb Skipper
Butterfly Pea <i>Clitoria mariana</i>	Long-tailed Skipper
Cane <i>Arundinaria sp.</i>	Pearly Eye, Creole Pearly Eye, Carolina Roadside Skipper
Canna <i>Canna flaccida</i>	Brazilian Skipper
Chickweed <i>Stellaria sp.</i>	Dainty Sulphur
Clover <i>Trifolium sp., Melilotus sp.</i>	Alfalfa Butterfly (Orange Sulphur), Blues, Clouded Sulphur, Common Sulphur, Gray Hairstreak, Sleepy Orange
Coneflowers <i>Echinacea sp.</i>	Silvery Checkerspot
Crownbeard <i>Verbesina sp.</i>	Spring Azure, Pearl Crescent
Cut-leaf Coneflower <i>Rudbeckia laciniata</i>	Silvery Checkerspot
Dotted Horsemint <i>Monarda punctata</i>	Common Sooty Wing
False Foxgloves (Gerardia) <i>Agalinis sp.</i>	Buckeye
False-loosestrife <i>Ludwigia sp.</i>	Buckeye
Fleabanes <i>Erigeron sp.</i>	Checkered White, Lynx Flower Moth
Ginger <i>Asarum canadense</i>	Pipevine Swallowtail
Goatweed <i>Croton sp.</i>	Goatweed Butterfly, Red-banded Hairstreak
Golden Alexander <i>Zizia aurea</i>	Black Swallowtail
Grasses <i>Poaceae</i>	Clouded Skipper, Common Wood Nymph, Grass Nymph, Little Wood-Satyr
Hibiscus <i>Hibiscus sp.</i>	Checkered Skipper, Gray Hairstreak, Painted Lady
Indian Hemp <i>Apocynum cannabinum</i>	Monarch
Ironweeds <i>Vernonia sp.</i>	American Painted Lady
Lupine <i>Lupinus sp.</i>	Alfalfa Butterfly (Orange Sulphur), Clouded Sulphur, Frosted Elfin, Pine Elfin, various blues
Mayapple <i>Podophyllum peltatum</i>	Variiegated Fritillary
Milkweeds <i>Asclepias sp.</i>	Coral Hairstreak, Monarch, Queen, Sleepy Orange, Spring Azure
Mountain Mint <i>Pycnanthemum sp.</i>	Gray Hairstreak
Pansy, Field <i>Viola rafinesquii</i>	Variiegated Fritillary
Partridge Pea <i>Cassia fasciculata</i>	Ceraunus Blue, Cloudless Sulphur, Little Sulphur (Little Yellow)
Pencil Flower <i>Stylosanthes hamata</i>	Barred Yellow
Peppergrass <i>Lepidium sp.</i>	Checkered White



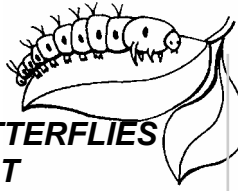
Native Herbaceous Perennials, Annuals, and Biennials (continued)

Petunias, wild (<i>Ruellia</i>) <i>Ruellia</i> sp.	Buckeye
Plantain <i>Plantago</i> sp.	Baltimore, Buckeye, Giant Leopard Moth, Woolly Bear (Isabella Tiger Moth)
Plumegrass <i>Erianthus</i> sp.	Clouded Skipper
Purpletop <i>Tridens flavus</i>	Common Wood Nymph
Pussytoes <i>Antennaria</i> sp.	American Painted Lady
Rabbit-tobacco (Cudweed) <i>Gnaphalium</i> sp.	American Painted Lady, Painted Lady
Rattlesnake Master <i>Eryngium yuccifolium</i>	Black Swallowtail
Sedges <i>Carex</i> sp.	Common Wood Nymph, Georgia Satyr, Little White, various skippers
Smooth beardtongue <i>Penstemon digitalis</i>	Buckeye
Sneezeweed <i>Helenium autumnale</i>	Dainty Sulphur
Sneezeweed <i>Senecio</i> sp.	Painted Lady
Sorrel (Dock) <i>Rumex</i> sp.	Little Copper (American Copper) and other coppers
Spanish Needles <i>Bidens</i> sp.	Dainty Sulphur
Stinging Nettle <i>Urtica</i> sp.	Comma (Hop Merchant), Milbert's Tortoise Shell, Painted Lady, Question Mark, Red Admiral
Stonecrop <i>Sedum</i> sp.	Buckeye, Variegated Fritillary
Strawberry <i>Fragaria virginiana</i>	Variegated Fritillary, Gulf Fritillary
Sunflowers <i>Helianthus</i> sp.	Gorgone Checkerspot, Painted Lady, Silvery Checkerspot
Thistle <i>Cirsium</i> sp.	Painted Lady
Toadflax <i>Linaria canadensis</i>	Buckeye
Toothwarts <i>Cardamine</i> sp., <i>Dentaria</i> sp.	Falcate Orange Tip
Turtleheads <i>Chelone</i> sp.	Baltimore, Buckeye
Verbenas <i>Verbena</i> sp.	Buckeye
Vetch <i>Vicia</i> sp.	Alfalfa Butterfly (Orange Sulphur), Common Sulphur, Dogface, Eastern Tailed Blue, Gray Hairstreak, Diana, Giant Leopard Moth, Great Spangled Fritillary, Variegated Fritillary
Virginia Snakeroot <i>Cimicifuga americana</i>	Pipeline Swallowtail
Wild Comfrey <i>Cynoglossum virginianum</i>	Gray Hairstreak
Wild-Indigo <i>Baptisia</i> sp.	Frosted Elfin, Alfalfa Butterfly (Orange Sulphur), Dogface, Eastern Tailed Blue, Hoary Edge, Mottled Dusky Wing, Wild Indigo Duskywing, Zarucco Dusky Wing



Common Garden Ornamentals, Agricultural Imports, and Weeds (non-natives)

Alfalfa <i>Medicago sativa</i>	Alfalfa Butterfly (Orange Sulphur), Clouded Sulphur, Common Sulphur, Eastern Tailed Blue
Beans	Gray Hairstreak, Long-tailed Skipper
Burdock <i>Arctium</i> sp.	American Painted Lady
Cabbage	Checkered White
Carrots	Black Swallowtail
Celery	Black Swallowtail
Citrus Trees	Giant Swallowtail
Crown Vetch <i>Coronilla varia</i>	Wild Indigo Duskywing
Daisy <i>Chrysanthemum</i> sp.	American Painted Lady, Painted Lady
Dandelion <i>Taraxacum officinale</i>	Giant Leopard Moth, Woolly Bear (Isabella Tiger Moth)
Dill <i>Apiaceae</i> family (parsley)	Black Swallowtail
Everlasting <i>Anaphalis</i> sp.	American Painted Lady, Painted Lady
False Nettle <i>Boehmeria cylindrica</i>	Comma (Hop Merchant), Milbert's Tortoise Shell, Question Mark, Red Admiral
Fennel	Black Swallowtail
Flaxes <i>Linum</i> sp.	Variegated Fritillary
Grass, Bermuda <i>Cynodon dactylon</i>	Fiery Skipper, Sachem, Gemmed Satyr, Whirlabout, Southern Skipperling
Grass, Carpet <i>Axonopus</i> sp.	Carolina Satyr
Grass, Centipede	Carolina Satyr
Grass, Crab <i>Digitaria</i> sp.	Fiery Skipper, Sachem
Hollyhock <i>Althaea rosea</i>	Checkered Skipper, Painted Lady, Gray Hairstreak
Hops <i>Humulus lupulus</i>	Comma (Hop Merchant), Red Admiral
Parsley	Black Swallowtail
Peach <i>Prunus persica</i>	Coral Hairstreak
Pear <i>Pyrus</i> sp.	Viceroy
Rue <i>Ruta graveolens</i>	Black Swallowtail
Senna <i>Cassia</i> sp.	Cloudless Sulphur, Hackberry, Sleepy Orange, Little Sulphur (Little Yellow)
Sida <i>Sida rhombifolia</i>	Checkered Skipper
Snapdragon <i>Antirrhinum</i> sp.	Buckeye
Velvet Leaf <i>Abutilon theophrastii</i>	Checkered Skipper



TIPS FOR ATTRACTING BUTTERFLIES TO YOUR WILDLIFE HABITAT

Locate the garden in a sunny area. Butterflies and most butterfly-attracting plants require bright sunshine.

Plant nectar-producing flowers. Butterflies visit flowers in search of nectar, a sugary fluid, to eat. Many native butterflies seem to prefer purple, yellow, orange, and re-colored blossoms. Clusters of short, tubular flowers or flat-topped blossoms provide the ideal shapes for butterflies to easily land and feed.

Select single flowers rather than double flowers. The nectar of single flowers is more accessible and easier for butterflies to extract than the nectar of double flowers which have more petals per flower.

Use large splashes of color in your landscape design. Butterflies are first attracted to flowers by their color. Groups of flowers are easier for butterflies to locate than isolated plants.

Plan for continuous bloom throughout the growing season. Butterflies are active from early spring until late fall. Plant a selection of flowers that will provide nectar throughout the entire growing season (e.g. spring: blueberries, clover, wild cherry; summer: milkweeds, coneflowers, thistle; fall: goldenrod, joe-pye weeds).

Include host plants in the garden design. Host plants provide food for caterpillars and lure female butterflies into the garden to lay eggs.

Include damp areas or shallow puddles in the garden. Some butterflies drink and extract salts from moist soil. Occasionally large numbers of male butterflies congregate around a moist area to drink, forming a "puddle club."

Place flat stones in the garden. Butterflies often perch on stones, bare soil or vegetation, spread their wings and bask in the sun. Basking raises their body temperature so they are able to fly and remain active.

Do not use pesticides in or near a butterfly garden. Most traditional garden pesticides are toxic to butterflies. Use predatory insects, insecticidal soap or hand remove the pests if problems occur.

REFERENCES:

- Ajilvsgi, Geyata. *Butterfly Gardening For the South: Cultivating Plants that Attract Butterflies*. Dallas: Taylor Publishing Company, 1990.
- Bailey, Frank B. *Butterfly Gardening*. Georgia Cooperative Extension Service, Master Gardener's Class. Oct. 1997.
- Bender, Steve, ed. Southern Living. *The Southern Living Garden Book*. Birmingham, AL. 1998.
- Craighton, LuAnn. "How To Create a Butterfly Garden." Georgia Schoolyard Wildlife Habitat Planning Guide. Covington, GA: 1996.
- Glassberg, Jeffrey. *Butterflies Through Binoculars: the East*. New York: Oxford University Press, 1999.
- Mitchell, Robert and Herbert Zim. *Golden Guide to Butterflies and Moths: A Guide to the More Common America Species*. New York: Golden Press, 1987.
- Harris, Jr. Lucien. *Butterflies of Georgia*. Norman, OK: University of Oklahoma Press, 1972.
- Midgley, Jan. *Southeastern Wildflowers*. Hong Kong: Crane Hill Publishers, 1999.
- Miller, Millie and Cyndi Nelson. *Painted Ladies: Butterflies of North America*. Boulder, CO: Johnson Books, 1993.
- Payne, Jerry and Rose. Nongame-Endangered Wildlife Program of the Georgia Department of Natural Resources, Wildlife Resources Division. *Backyard Butterflies*. Forsyth, GA.
- Pyle, Robert Michael. National Audubon Society. *Field Guide to North American Butterflies*. New York: Alfred A. Knopf, 1981.
- Schneck, Marcus. *Creating a Butterfly Garden*. New York: Simon & Schuster, 1993.
- Stokes, Donald and Lillian, and Ernest Williams. *The Butterfly Book*. Boston: Little Brown and Company, 1991.
- Tufts, Craig. *The Backyard Naturalist*. Vienna, VA: National Wildlife Federation, 1988.
- Wright, Amy Bartlett. *Peterson First Field Guides. Caterpillars*. New York: Houghton Mifflin Company, 1993.
- GWF would like to thank Rosalie Jensen and Terry Tatum for their assistance in compiling this information guide!*



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October 2002

