



## Recommended WNC Native Pollinator-Friendly Plant, Nursery & Landscaper List

Bee City USA-Asheville is excited to share this updated native pollinator-friendly plant list! As the birthplace of the national Bee City USA program in 2012, we are gratified that throughout our community, individuals, organizations, and businesses are doing their part to reverse staggering global pollinator declines. Please check out our Pollinator Habitat Certification and our annual Pollination Celebration! during National Pollinator Week in June.

### WHY LANDSCAPE WITH POLLINATORS IN MIND?

Asheville's Bee City USA program encourages everyone to incorporate native plants into their landscapes and avoid insect-killing pesticides as much as possible. Here's why. Over the millennia, hundreds of thousands of plant and animal pollinator species have perfected their pollination dances. Pollinating animals rely upon the carbohydrate-rich nectar and/or the protein-rich pollen supplied by flowers, and plants rely on pollinators to carry their pollen to other flowers to produce seeds and sustain their species. Nearly 90% of the world's wild flowering plant species depend on pollinators to help them reproduce! Plants and pollinators are foundational to our planet's rich biodiversity generally. For example, 90% of terrestrial birds rely on moth and butterfly caterpillars as baby food.

### ABOUT THIS NATIVE PLANT LIST

An elite task force, listed at the end of this document, verified which plants were native to Western North Carolina and agreed this list should focus on plants' value to pollinators as food--including nectar, pollen, and larval host plants for moth and butterfly caterpillars, as well as nesting habitat for bumble and other bees. While not all moths and butterflies are pollinators, many species are. "Specialized Bee" refers to bee species that gather pollen only from a single plant family, a few related genera, a single genus, or a single species. Pollen specialists represent at least one-quarter of the world's 20,000 species of bees. In turn, many plant species are pollinated by a limited set of pollinators, sometimes only one! The field of pollination ecology is exploding and we are learning about new plant/pollinator relationships almost daily.

These lists are not exhaustive; only native species available for purchase from local suppliers who responded to our survey are listed. Although many are beloved by pollinators, popular, non-native plants like annual bedding plants, herbs and fruit trees are not included in our list because they are already commonly used. Of course, pollinators may collect nectar and pollen from non-native plants, even from invasive exotics like Japanese knotweed. Our hope is to retain as many native plant and pollinator species as possible because many pollinators are picky, and many plants are very selective about their pollinators. In many cases, one or the other will disappear without its partner. It will take all of us to reverse pollinators declines. The good news is that conservation literally starts at home. Many pollinators seem to like city life as much, or maybe more, than rural life because of the diversity of plants home gardeners and landscapers offer!

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Evergreen plant species are shaded in green

Ground-cover plant species are shaded in tan

Evergreen ground-covers are shaded in green and tan

Special Genus Notes are shaded in orange

## LOCAL POLLINATOR-FRIENDLY PLANT NURSERIES (WHO RESPONDED TO OUR SURVEY)

We are grateful to have many local nurseries cultivating and selling the plants that were here before colonization. Please never purchase from vendors poaching plants in the wild.

### BPNG--Big Pine Native Gardens (Marshall)

- Retail by appointment--Visit North Asheville tailgate market or follow website instructions to email or phone orders for delivery to Asheville and surrounding area. [bigpinegardens@gmail.com](mailto:bigpinegardens@gmail.com), 828 649-2259
- Native grasses, woodland and sunny pollinator perennials
- Pest Management: Organic growing methods and therefore use only OMRI- listed materials for pest control.

### CNN--Carolina Native Nursery (Burnsville)

- Retail & wholesale. [sales@carolinanativenursery.com](mailto:sales@carolinanativenursery.com), (828) 682-1471
- Eastern U.S. native shrubs, perennials, grasses, and ferns. Specialty is native azaleas.
- Pest Management: IPM-based insect and disease control, constant monitoring, use of beneficial insects, and OMRI products. No neonics for over a decade.

[MMF—Milkweed Meadows Farm](#) (Hendersonville/Fruitland)

- Local markets and retail at the farm by appointment. Find upcoming events or schedule appointments at [www.milkweedmeadows.com](http://www.milkweedmeadows.com) (or email [kim@milkweedmeadows.com](mailto:kim@milkweedmeadows.com)).
- Native perennials and vines (+ some shrubs and pawpaw saplings) with special value to pollinators as host plants or sources of nectar and pollen. Educational programs and farm tours offered. Specialty fruits including pawpaw and passionfruit available seasonally. Butterfly eggs, caterpillars, and/or chrysalides provided (as naturally available) free of charge to schools or other educational organizations.
- Pest Management: best growing practices, monitoring, beneficial insects, non-toxic mineral oil (no neem oil), non-toxic soapy water treatments, and OMRI-listed iron phosphate (a natural fertilizer) to deter slugs.

[MRG—M.R. Gardens](#) (Asheville)

- Online store: Order ahead and pick up at the farm or request delivery. Also open select days as posted on website, or by appointment. [megan@mrgardens.net](mailto:megan@mrgardens.net), 828-333-4151
- Focusing on native flowers and complementary plants, grown as sustainably as possible in our passive solar greenhouse. Also offers on-farm tours, and assists customers with design of native perennial beds.
- Pest Management: Use no chemical pesticides, fully committed to sustainable practices.

[NSN--Natural Selections Nursery](#) (Weaverville)

- Retail/wholesale. Check website for hours. Text, email or phone orders for pickup. [pat@naturalselectionsnursery.com](mailto:pat@naturalselectionsnursery.com), (828) 707-2972
- Plants of the Southern Appalachians
- Pest Management: No pesticides ever used.

[PG-Painters Greenhouse](#) (Old Fort)

- Retail (March thru June, with brief fall opening), [info@paintersgreenhouse.com](mailto:info@paintersgreenhouse.com) 828-668-7225
- 90% of our plants are homegrown, including a wide variety of native perennials.
- Pest Management: We use IPM, beneficial insects, and best growing practices to ensure our plants are healthy and less susceptible to pests and diseases. When pest treatment is needed, we try to use nontoxic, organic-safe oil and soap treatments.

[RRNN--Red Root Native Nursery](#) (Barnardsville)

- Wholesale & retail by appointment. [redrootnatives@gmail.com](mailto:redrootnatives@gmail.com), 828-545-0565
- We propagate native shrubs and perennials of the southern Appalachian woodlands.
- Pest Management: Use organic production methods, employing OMRI-listed materials for pest control as necessary. No conventional pesticides; no neonics.

[RCN--Reems Creek Nursery/Garden Center](#) (Weaverville)

- Retail. [plantpeople@reemscreek.com](mailto:plantpeople@reemscreek.com), 828-645-3937
- Locally-owned Garden Center and Shop with trees, shrubs, perennials, annuals, fruit, native plants, pollinator plants, roses, houseplants and more.
- Pest Management: We do not use neonicotinoid insecticides on any of the plants we grow on our Propagation Farm because of their detrimental effect on pollinators. We utilize IPM practices on our Farm when able – for example, we release ladybugs or other beneficial insects to combat aphids on our plants. At the Garden Center we strive to monitor the growing practices of our other plant sources, and seek those using best practices.

[SMHN--Sandy Mush Herb Nursery](#) (Leicester)

- Retail on site Thursday, Friday & Saturday. Mail & phone orders available. [www.sandymushherbs.com](http://www.sandymushherbs.com), (828) 683-2014
- We collect and propagate herbs, perennials, trees and shrubs along with other interesting plants, featuring many wildflowers native to our WNC home.
- Pest Management: We occasionally apply insecticidal soap, only when necessary, and NEVER neonicotinoids.

SF--Saturnia Farm (Weaverville)

- Retail by appointment or during scheduled Open Days only. [saturniafarminfo@gmail.com](mailto:saturniafarminfo@gmail.com), 269-578-6906, 828-337-1889
- Perennials - Natives - Grasses & Sedges; Specialty Willows - Butterfly & Moth Host Plants; Select Trees & Shrubs - Native Fruit; Cut Flowers
- Pest Management: 100% Pesticide free on-property growing practices.

WB--Woodwise Botanicals (Mills River)

- Open Wednesday and Thursday by appointment, and 10:00-4:00 on Friday and Saturday, Contact [woodwisebotanicals@gmail.com](mailto:woodwisebotanicals@gmail.com), (828) 337-0947
- Native wildflowers, trees, shrubs and grasses grown from seed (so far 50% from saved seed) and medicinal herbs using organic/biodynamic methods to keep the health of our soils and creature friends safe, healthy and prosperous.
- Pest Management: With over 200 varieties of plants, diversity is the key to our pest management.

WCN--Willow Creek Nursery (Weaverville)

- Wholesale orders Monday-Friday, 9:00-4:00. Retail by appointment only. Contact 828-777-3503 or through [website contact form](#).
- Over 300 varieties of herbaceous perennials including natives, ornamentals, ferns and grasses.
- Pest Management: We use no pesticides, except neem oil for aphids.

WN--Wildbud Natives (Marshall)

- Wholesale orders, or retail sales only by appointment. 828-206-1853 or through [website contact form](#).
- Wildbud Natives grows native perennials, grasses, trees and shrubs for conservation and ecological applications. Browse our plant material formats and let us know how we can serve your home, school, or land management project!
- Pest Management: Uses organic growing practices and IPM, except in treating hemlocks with neonicotinoid insecticides for wooly adelgid between November and March, when pollinators are less active.

**SUN-LOVING WILDFLOWERS (1<sup>ST</sup> OF 3 WILDFLOWER LISTS)**

SCIENTIFIC NAME	COMMON NAME	FLOWERING	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<i>Asclepias</i> Note* <sup>f</sup>			<i>Asclepias</i> (milkweed) genus hosts monarch and 11 other butterfly/moth species. See notes below about growing milkweeds* and non-native species <sup>f</sup> .	
<u><i>Asclepias syriaca</i></u>	*Common Milkweed	Jun-Aug	Bees, bumble bees, honey bees, butterflies, moths. See <i>Asclepias</i> Genus Note above.	BPNG, MMF, MRG, PG, RCN, SF, SMHN, WB, WCN, WN
<u><i>Asclepias tuberosa</i></u>	*Butterfly milkweed	Jun-Sep	Bees, bumble bees, honey bees, butterflies, moths. Hosts Grey Hairstreak, Monarch, & Queen butterflies. See <i>Asclepias</i> Genus Note above.	BPNG, CNN, MMF, MRG, NSN, PG, RCN, SF, SMHN, WB, WCN

<u><i>Asclepias verticillata</i></u>	*Whorled milkweed	May-Sep	Bees, butterflies. See <i>Asclepias</i> Genus Note above.	MMF, PG, RRNN, SF
<u><i>Coreopsis tripteris</i></u>	Tall tickseed	Jul-Sep	Bees, butterflies	NSN, SMHN
<u><i>Eryngium yuccifolium</i></u>	Rattlesnake master	May-Aug	Bees, small butterflies	BPNG, CNN, MRG, PG, RCN, RRNN, SF, SMHN, WCN, WN
<u><i>Eupatorium hyssopifolium</i></u>	Hyssopleaf thoroughwort	Jun-Oct	Butterflies	NSN
<u><i>Helenium autumnale</i></u>	Common sneezeweed	Jul-Oct	Bees, butterflies	MMF, PG, RCN, SF, WCN
<u><i>Helenium flexuosum</i></u>	Purplehead sneezeweed	Jun-Aug	Bees	CNN
Helianthus Note	The <i>Helianthus</i> genus attracts long-tongued bees (honey, bumble, leaf-cutting, miner, cuckoo), short-tongued bees (Halictid & Andrenid), miscellaneous wasps, flies (Syrphid, bee, thick-headed & others), butterflies and skippers, and beetles. Hosts specialized bees: <i>Andrena accepta/aliciae/helianthi</i> , <i>Dufourea marginatus</i> , <i>Melissodes agilis</i> , and <i>Pseudopanurgus rugosus</i> . Hosts Gorgon Checkerspot, Silvery Checkerspot and Painted Lady butterflies, and Cream-Bordered Dichomeris and Common Pinkband moths, and 68 others.			
<u><i>Helianthus angustifolius</i></u>	Swamp sunflower	July-Oct	See <i>Helianthus</i> Genus Note above.	CNN, MMF, RCN, SF, SMHN
<u><i>Helianthus tuberosus</i></u>	Jerusalem artichoke	Aug-Oct	See <i>Helianthus</i> Genus Note above.	SMHN
<u><i>Heliopsis helianthoides</i></u>	False sunflower	Jul-Sep	Bees, hummingbirds, butterflies	MMF, MRG, NSN, PG, RCN, RRNN, SMHN, WCN
<u><i>Liatris microcephala</i></u>	Smallhead blazing star	Jul-Oct	Butterflies, bees	RCN
<u><i>Liatris spicata</i></u>	Dense Blazing-star	Jul-Sep	Hummingbirds, butterflies, bees. Hosts <i>Schinia sanguinea</i> moth.	BPNG, CNN, MRG, NSN, PG, RCN, SF, SMHN, WCN, WN
<u><i>Liatris squarrosa</i></u>	Scaly Blazingstar	Aug-Sep	Hummingbirds, butterflies, bees	RRNN, SF
Phlox Note	<i>Phlox</i> genus hosts 8 moth/butterfly species. Sphinx/hummingbird moths and skippers are the primary pollinators of phlox.			
<u><i>Phlox maculata</i></u>	Wild sweetwilliam, Phlox	May-Sep	Butterflies, moths, hummingbirds. See <i>Phlox</i> Genus Note above.	NSN
<u><i>Phlox paniculata</i></u>	Fall phlox	Jun-Aug	Hummingbirds, bees, butterflies. See <i>Phlox</i> Genus Note above.	CNN, MMF, PG, RCN, SF, SMHN, WCN

<u><i>Rudbeckia fulgida</i></u>	Orange coneflower	Jun-Oct	Butterflies. <i>Rudbeckia</i> genus hosts 17 moth/butterfly species.	BPNG, CNN, MMF, NSN, PG, RCN, SMHN, WCN
<i>Solidago</i> Note		<i>Solidago</i> genus hosts 115 moth/butterfly species and specialized bees: <i>Perdita octomaculata</i> , <i>Melissodes fumosus</i> , <i>Colletes simulans</i> / <i>solidaginis</i> , & several <i>Andrena</i> species.		
<u><i>Solidago rugosa</i></u>	Wrinkle-leaf goldenrod	Jul-Oct	Bees, butterflies, beetles. See <i>Solidago</i> Genus Note above.	BPNG, CNN, PG, RCN, SMHN
<u><i>Solidago speciosa</i></u>	Showy Goldenrod	Aug-Oct	Hosts many butterfly/moth species. See <i>Solidago</i> Genus Note above.	MRG, NSN, WB
<i>Symphotrichum</i> Note		<i>Symphotrichum</i> genus hosts 112 moth/butterfly species and specialized bees: <i>Andrena asteris</i> / <i>asteroids</i> / <i>hirticincta</i> / <i>nubecula</i> / <i>placate</i> / <i>simplex</i> , and <i>Colletes simulans</i>		
<u><i>Symphotrichum oblongifolium</i></u>	Aromatic aster	Sep-Nov	Bees. See <i>Symphotrichum</i> Genus Note above.	CNN, MRG, PG, RCN, SF, WCN, sWN
<u><i>Symphotrichum pilosum</i></u>	Frost aster, Heath aster	Aug-Oct	Bees, butterflies. See <i>Symphotrichum</i> Genus Note above.	RCN, SMHN
<u><i>Vernonia noveboracensis</i></u>	New York Ironweed	Aug-Sep	Butterflies, bees. <i>Vernonia</i> genus hosts 19 moth/butterfly species and specialized bee: <i>Melissodes denticulatus</i> .	BPNG, CNN, MRG, NSN, RCN, RRNN, SMHN, WCN, WN
<u><i>Veronicastrum virginicum</i></u>	Culver's root	Jul-Sep	Long and short tongued bees collect pollen/nectar: honey, bumble, mason, green metallic and masked bees. Other: sphecid wasps, butterflies, moths and syrphid flies.	BPNG, MMF, MRG, PG, RCN, SF, SMHN, WB, WCN

\*Milkweeds are a perfect example of the importance of choosing the right plant for the right place. If you have a sunny and especially dry location, butterfly weed (*Asclepias tuberosa*) grows a long taproot and is quite drought tolerant once established. If you have a sunny but soggy spot, swamp milkweed (*Asclepias incarnata*) is tolerant of having "wet feet." If you have a sunny area with soil of moderate moisture, take your pick! If you have a larger sunny area, you may want to plant common milkweed (*Asclepias syriaca*). It spreads by horizontal underground rhizomes so be prepared for it to move around and also form large colonies in a short amount of time. For this reason it is typically recommended for more naturalized plantings or pocket meadows instead of smaller or more formal gardens. If you have a shadier site, poke milkweed (*Asclepias exaltata*) will not only survive, but thrive and even bloom in partial shade. MARK YOUR MILKWEED! Milkweed is notorious for emerging in late spring (usually late April), just when you plant over it because you've given up. Leaving its stems and labeling the spot will remind you to be patient.

†Special Note About Native vs. Tropical Milkweeds: The two nonnative/tropical (annual) species generally available to gardeners are Mexican Milkweed (*Asclepias curassavica*) and Balloon Milkweed (*Gomphocarpus physocarpus*, formerly known as *Asclepias physocarpa*). Though widely available, attractive, long-blooming, fast-growing, and easily propagated, it is best not to plant these non-natives in WNC for several reasons. In warmer regions where they don't die back in winter, a build-up of a debilitating protozoan parasite (*Ophryocystis elektroscirrha* or OE) that infects monarchs can occur. While tropical milkweeds should eventually die back during western North Carolina winters, another concern is their presence in fall could cause migrating monarchs to break diapause (a temporary non-reproductive state) and lay eggs instead of completing their migration to Mexico. Reseeding is also a concern.

## SUN/SHADE-LOVING WILDFLOWERS (2<sup>ND</sup> OF 3 WILDFLOWER LISTS)

SCIENTIFIC NAME	COMMON NAME	FLOWERING	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<u><i>Allium cernuum</i></u>	Nodding Onion	Jun-Aug	Butterflies, honeybees, bumblebees, Anthophorine bees, Halictid bees	MRG, NSN, SMHN, WN

<u><i>Amsonia tabernaemontana</i></u>	Eastern Blue Star	Mar-May	Hummingbirds, carpenter bees, hummingbird moths, butterflies	BPNG, CNN, NSN, PG, RCN, RRNN, SMHN, WB, WCN, WN
<u><i>Anemone virginiana</i></u>	Thimbleweed	May-Jul	Flower flies, Small bees: Plasterer bees ( <i>Colletes spp.</i> ), Halictid bees	RRNN, NSN, WN
<u><i>Antennaria plantaginifolia</i></u>	Plantain-leaf Pussytoes	Mar-May	Bees, butterflies. Hosts American Lady butterfly.	NSN, RRNN, SMHN, WN
<u><i>Asarum arifolium</i></u>	Little brown jugs	Mar-Jun	Evergreen groundcover with flowers hidden under leaves. Pollinated by flies and gnats attracted to carrion-like smell.	PG, SMHN
<i>Asclepias</i> Note			<i>Asclepias</i> (milkweed) genus hosts monarch and 11 other butterfly/moth species. See notes above about growing milkweeds* and non-native species <sup>f</sup> .	
<u><i>Asclepias exaltata</i></u>	*Poke milkweed	Jun-Jul	Butterflies, bees, beetles. See <i>Asclepias</i> Genus Note above.	CNN, MMF, NSN, RRNN, SF, SMHN
<u><i>Asclepias incarnata</i></u>	*Swamp Milkweed	Jun-Oct	Bees, bumble bees, honey bees, butterflies, moths. See <i>Asclepias</i> Genus Note above.	BPNG, CNN, MMF, PG, RCN, RRNN, SF, SMHN, WB, WCN, WN
<u><i>Baptisia tinctoria</i></u>	Yellow Wild indigo	Jul-Aug	Butterflies, bees. Hosts wild indigo duskywing, silver-spotted skipper, and others.	NSN, RRNN, WN
<u><i>Campanulastrum americanum</i></u>	American bellflower	Jun-Sep	Butterflies, skippers, Halictid bees. Primary pollinators are long-tongued bees, including bumble and leaf-cutting bees (Megachilidae). Hosts specialized bees <i>Megachile campanulae</i> and <i>Colletes brevicornis</i> .	MMF, RRNN
<u><i>Chelone glabra</i></u>	White turtlehead	Jul-Sep	Hummingbirds, butterflies, bees. Hosts Baltimore Checkerspot and Common Buckeye butterflies.	BPNG, NSN, RCN, SF, SMHN, WN
<u><i>Chelone lyonii</i></u>	Pink Turtlehead	Aug-Oct	Bumble bees, bees, butterflies, hummingbirds	BPNG, CNN, MMF, PG, RCN, SMHN, WCN
<u><i>Chelone obliqua</i></u>	Red turtlehead	Jul-Sep	Bumble bees, hummingbirds	SMHN
<u><i>Chrysopsis mariana</i></u>	Maryland goldenaster	Aug-Oct	Butterflies, bees. <i>Chrysopsis</i> genus supports specialized bees: <i>Andrena fulvipennis</i> , and <i>Perdita boltoniae</i> .	MRG, NSN, RRNN
<u><i>Cirsium altissimum</i></u>	Tall thistle	Jul-Oct	Bees--bumble, Halictid, long-horned bees ( <i>Melissodes spp.</i> ) and others. Syrphid flies, and various beetles, Fritillary butterflies, Painted Lady butterflies, Swallowtail butterflies, and Sphinx moths, including hummingbird clearwing moths. Hosts moths, and Swamp Metalmark and Painted Lady butterflies.	SF
<u><i>Conoclinium coelestinum</i></u>	Blue mist flower	Jul-Oct	Butterflies. Magnet for fall migrating monarchs. (Caution: Plant it where you want it to spread!)	MMF, MRG, SF
<u><i>Coreopsis auriculata</i></u>	Lobed tickseed	Mar-May	Butterflies	PG, RCN

<u><i>Coreopsis grandiflora</i></u>	Coreopsis	May-Jun	Butterflies, bees	RCN, WB
<u><i>Coreopsis lanceolata</i></u>	Lanceleaf coreopsis	Apr-Jun	Butterflies, bees	MMF, MRG, SF, WN
<u><i>Coreopsis major</i></u>	Greater tickseed	May-Jul	Butterflies	NSN
<u><i>Coreopsis pubescens</i></u>	Hairy coreopsis	Jul-Sep	Butterflies, beetles, hummingbirds	PG, WB
<u><i>Coreopsis verticillata</i></u>	Whorled tickseed	May-Jul	Butterflies	CNN, PG, WCN
<u><i>Delphinium exaltatum</i></u>	Tall larkspur	Jul-Sep	Bees, butterflies and hummingbirds	RRNN, MMF, SF
<u><i>Echinacea purpurea</i></u>	Purple coneflower	Apr-Sep	Bees, butterflies, hummingbirds. Hosts silvery checkerspot butterfly.	BPNG, CNN, MMF, PG, RCN, SMHN, WB, WCN, WN
<u><i>Eupatoriadelphus fistulosus</i></u>	Hollow-stem Joe-pyeweed	Jul-Sep	Honey bees, bee flies, skippers, moth, butterflies. Long-tongued bees ( <i>Bombus impatiens</i> ; <i>Ceratina dupla</i> ; <i>Melissodes trinodis</i> ; <i>Xylocopa virginica</i> ; <i>Megachile inimical</i> )	CNN, NSN, SMHN, WB, WN
<u><i>Eupatorium perfoliatum</i></u>	Common boneset	Jun-Oct	Very accessible nectar attracts butterflies, bees, flies, wasps, butterflies, and beetles. Hosts moths: Clymene, Lined Ruby Tiger, Burdock Borer, Three-Lined Flower, Blackberry Looper, & Geometrid.	BPNN, CNN, MMF, MRG, PG, SMHN, WB, WN
<u><i>Eupatorium sessilifolium</i></u>	Upland boneset	Jul-Oct	Host plant for many species of butterflies/moths	NSN, SMHN
<u><i>Eutrochium maculatum</i></u>	Purple Joe-Pye weed	Jul-Sep	Butterflies. <i>Eutrochium</i> genus hosts 41 moth/butterfly species.	CNN, MRG, PG, RCN, RRNN, SMHN, WN
<u><i>Fragaria virginiana</i></u>	Wild Strawberry	Apr-Jun	Hosts 69 species of butterflies/moths. Genus <i>Fragaria</i> supports specialized bee: <i>Andrena melanochroa</i> .	MRG, RCN, SMHN
<u><i>Gentiana clausa</i></u>	Bottle gentian	Aug-Sep	Bumble bee	SF
<u><i>Gentiana decora</i></u>	Appalachian gentian	Sep-Oct	Bumble bee	RRNN
<u><i>Gentianella quinquefolia</i></u>	Eastern Agueweed	Aug-Oct	Bees, flies	RRNN
<u><i>Gillenia trifoliata</i></u>	Bowman's root	Apr-Jun	Butterflies	RCN, SF, SMHN, WCN
<u><i>Hedeoma pulegoides</i></u>	American pennyroyal (annual)	Jul-Sep	Syrphid flies & small bees--little carpenter ( <i>Ceratina spp.</i> ), Halictid ( <i>Augochlorella spp.</i> , <i>Halictus spp.</i> , & <i>Lasioglossum spp.</i> ), dagger <i>Calliopsis andreniformis</i> .	SMNN
<i>Helianthus</i> Note			The <i>Helianthus</i> genus attracts long-tongued bees (honey, bumble, leaf-cutting, miner, cuckoo), short-tongued bees (Halictid & Andrenid), miscellaneous wasps, flies (Syrphid, bee, thick-headed & others), butterflies and skippers, and beetles. Hosts specialized bees: <i>Andrena accepta/ aliciae/ helianthi</i> , <i>Dufourea marginatus</i> , <i>Melissodes agilis</i> , and <i>Pseudopanurgus rugosus</i> . Hosts Gorgon	



			Checkerspot, Silvery Checkerspot and Painted Lady butterflies, and Cream-Bordered Dichomeris and Common Pinkband moths, and 68 others.	
<u><i>Helianthus decapetalus</i></u>	Paleleaf woodland sunflower	Jul-Oct	See <i>Helianthus</i> Genus Note above.	NSN
<u><i>Helianthus hirsutis</i></u>	Hairy sunflower	Aug-Nov	See <i>Helianthus</i> Genus Note above.	CNN
<u><i>Hibiscus moscheutos</i></u>	Marsh mallow hibiscus	Jul-Sep	Bees, butterflies, hummingbirds. <i>Hibiscus</i> genus hosts 28 species of butterflies/moths and specialized bee: <i>Ptilothrix bombiformis</i> .	BPNG, CNN, PG, RCN, RRNN, WB
<u><i>Houstonia purpurea</i></u>	Purple bluets	May-Jun	Bees, butterflies	SMHN
<u><i>Hypericum punctatum</i></u>	Spotted St. Johnswort	Jun-Jul	Flowers produce no nectar; however, abundant pollen attracts beetles, syrphid flies and long-tongued and short-tongued bees, including bumble and Halictid bees. Hosts Gray Half-Spot moth and Gray Hairstreak butterflies.	SMHN, WN
<u><i>Impatiens pallida</i></u>	Yellow jewelweed (annual)	Jun-Oct	Bumble bees. Major nectar source for fall migrating hummingbirds.	SMHN
<u><i>Iris verna</i></u>	Dwarf violet iris	Mar-Apr	Bees	BPNG
<u><i>Lobelia cardinalis</i></u>	Cardinal Flower	Jul-Sep	Hummingbirds, butterflies, bees. Hosts 4 moth/butterfly species.	BPNG, CNN, MMF, NSN, PG, RCN, RRNN, SF, SMHN, WCN, WN
<u><i>Lobelia siphilitica</i></u>	Great Blue Lobelia	Jul-Sep	Hummingbirds, bees, butterflies. Hosts 4 moth/butterfly species.	CNN, MMF, MRG, NSN, RCN, RRNN, SF, SMHN, WCN, WN
<u><i>Lysimachia quadrifolia</i></u>	Loosestrife	May-Aug	<i>Lysimachia</i> genus hosts specialized bees: <i>Macropis ciliata</i> , <i>Macropis patellata</i> , and <i>Macropis steironematis</i> .	SMHN, WN
<i>Monarda</i> Note			<i>Monarda</i> genus hosts 7 moth/butterfly species and specialized bees: <i>Dufourea monardae</i> , <i>Perdita gerhardi</i> , and <i>Protandrena abdominalis</i> .	
<u><i>Monarda didyma</i></u>	Scarlet bee balm	Jul-Sep	Hummingbirds, butterflies, bees. See <i>Monarda</i> Genus Note above.	BPNG, CNN, MMF, MRG, NSN, PG, RCN, SF, SMHN, WB, WCN, WN
<u><i>Monarda fistulosa</i></u>	Wild bergamot, Beebalm	May-Sep	Hummingbirds, butterflies, Halictid bees, long-tongued bees (bumble, Miner, Epeoline Cuckoo, and large Leaf-Cutting), bee flies, wasps, skippers, and hummingbird moths. Hosts Hermit Sphinx and Gray Marvel moths. See <i>Monarda</i> Genus Note above.	BPNG, CNN, MMF, MRG, NSN, PG, RCN, SF, SMHN, WB, WCN, WN
<u><i>Monarda punctata</i></u>	Spotted Beebalm	Apr-Aug	Bees, butterflies, moths, hummingbirds. Hosts Gray Marvel and Snout moths. See <i>Monarda</i> Genus Note above.	CNN, MMF, MRG, NSN, RRNN, SF, WB, WCN, WN

<u><i>Oenothera fruticosa</i></u>	Sundrops	Apr-Aug	Hummingbirds. Moths nectar on evening blooms. <i>Oenothera</i> genus hosts 16 moth/butterfly species and specialized bees: <i>Lasioglossum oenotherae</i> & <i>Melissodes fimbriatus</i> .	MMF, NSN
<u><i>Packera aurea</i></u>	Golden ragwort	Mar-Aug	Small bees (small carpenter, cuckoo, and various Halictid) and flies (Syrphid, Tachinid). Hosts The Gem moth.	CNN, MMF, RCN, SF, SMHN, WN
<u><i>Penstemon canescens</i></u>	Appalachian beardtongue	May-Jun	Hummingbirds, bees, butterflies. Hosts 8 moth/butterfly species.	BPNG, NSN
<u><i>Penstemon digitalis</i></u>	Foxglove beardtongue	May-Jul	Hummingbirds, bees, butterflies, other pollinators. Hosts <i>Osmia</i> bee genus.	CNN, MMF, MRG, PG, RCN, SMHN, SF, WCN, WN
<u><i>Penstemon smallii</i></u>	Blue Ridge beardtongue	May-Jun	Butterflies, bees, hummingbirds. Hosts 8 moth/butterfly species including Common Buckeye butterfly.	BPNG, NSN, SMHN, WN
<u><i>Phlox carolina</i></u>	Carolina phlox	May-Oct	Butterflies, hummingbirds, bats, moths, flies, bees, beetles. Hosts 8 moth/butterfly species. The <i>Phlox</i> genus hosts 8 moth/butterfly species. Sphinx/hummingbird moths and skippers are the primary pollinators of phlox.	BPNG, SMHN
<u><i>Phlox subulata</i></u>	Creeping Phlox	Mar-Jun	Hummingbirds, butterflies, bees. Hosts 8 moth/butterfly species. The <i>Phlox</i> genus hosts 8 moth/butterfly species. Sphinx/hummingbird moths and skippers are the primary pollinators of phlox.	CNN, PG, RCN, WB, WCN
<u><i>Physostegia virginiana</i></u>	Obedient plant	Jul-Oct	Bees, butterflies, hummingbirds	BPNG, PG, RCN, SF, SMHN, WN
<u><i>Pycnanthemum incanum</i></u>	Hoary mountainmint	Jul-Sep	Bees, butterflies, flies, wasps	MMF, NSN, PG, RRNN, SF, SMHN, WN
<u><i>Pycnanthemum montanum</i></u>	Thinleaf Mountain Mint	Jun-Jul	Bees, wasps, butterflies, moths	NSN
<u><i>Pycnanthemum muticum</i></u>	Clustered mountainmint	Jul-Sep	Bees, honeybees, butterflies, moths, flies, wasps	BPNG, CNN, MMF, PG, RCN, SF, SMHN, WB, WN
<u><i>Pycnanthemum tenuifolium</i></u>	Slender Mountain Mint	Jun-Sep	Native bees, bumblebees and honey bees	MMF, MRG, NSN, SF
<u><i>Rudbeckia</i></u> Note			<i>Rudbeckia</i> genus hosts 17 moth/butterfly species.	
<u><i>Rudbeckia hirta</i></u>	Black-eyed Susan (biennial)	Jun-Oct	Bees (Little Carpenter, Leaf-Cutting, Green Metallic and other Halictine, Andrenid). Specialized bees ( <i>Andrena rudbeckiae</i> and <i>Heterosarus rudbeckiae</i> ). Flies (Syrphid, Bee & Tachinid). Hosts Silvery Checkerspot butterfly. See <i>Rudbeckia</i> Genus Note above.	BPNG, CNN, MRG, NSN, PG, RCN, SF, SMHN, WB

<u><i>Rudbeckia laciniata</i></u>	Sochan, Cutleaf coneflower	Jul-Oct	Bees, flies, wasps, butterflies, moths. See <i>Rudbeckia</i> Genus Note above.	BPNG, MRG, NSN, RRNN, SMHN, WB, WCN, WN
<u><i>Rudbeckia triloba</i></u>	Brown-eyed Susan	Jul-Sep	Bees, flies, wasps, butterflies, moths, beetles. Hosts Silvery Checkerspot butterfly. See <i>Rudbeckia</i> Genus Note above.	CNN, MMF, NSN, PG, SF, SMHN
<u><i>Salvia lyrata</i></u>	Lyreleaf sage	Apr-Jun	Butterflies	SMHN, SF, WN
<u><i>Scutellaria incana</i></u>	Hoary skullcap	Jul-Aug	Bees, moths	MMF, NSN, SF, WN
<u><i>Scutellaria ovata</i></u>	Heartleaf skullcap	May-Jul	Bees, moths	NSN, SMHN
<u><i>Silphium perfoliatum</i></u>	Cup plant	Jun-Aug	Long-tongued bees, butterflies, and skippers; and short-tongued bees, wasps, bee flies, and other flies	MMF, MRG, NSN, SMHN, WB, WN
<u><i>Sisyrinchium angustifolium</i></u>	Narrow-leaved blue-eyed grass	Mar-Jul	Halictid bees, including green metallic bees, and Syrphid flies	CNN, NSN, PG, SMHN, WCN, WN
<i>Solidago</i> Note			<i>Solidago</i> genus hosts 115 moth/butterfly species and specialized bees: <i>Perdita octomaculata</i> , <i>Melissodes fumosus</i> , <i>Colletes simulans/ solidaginis</i> , & several <i>Andrena</i> species.	
<u><i>Solidago bicolor</i></u>	White goldenrod	Jul-Oct	Butterflies. See <i>Solidago</i> Genus Note above.	RRNN, SMHN
<u><i>Solidago chilensis</i></u>	Anise-scented goldenrod	Aug-Oct	Bees, butterflies. The <i>Solidago</i> genus hosts 115 moth/butterfly species and specialized bees: <i>Perdita octomaculata</i> , <i>Melissodes fumosus</i> , <i>Colletes simulans/ solidaginis</i> , & several <i>Andrena</i> species.	NSN, SF, SMHN, WN
<u><i>Solidago flexicaulis</i></u>	Broad leaf goldenrod	Jul-Oct	See <i>Solidago</i> Genus Note above.	NSN
<u><i>Solidago sphacelata</i></u>	Autumn goldenrod	Jul-Oct	Bees, Hosts many butterfly/moth species. See <i>Solidago</i> Genus Note above.	CNN, WB
<u><i>Symphotrichum novae-angliae</i></u>	New England Aster	Aug-Oct	Butterflies, bees, wasps, flies, beetles. Hosts Pearl Crescent butterfly. The <i>Symphotrichum</i> genus hosts 112 moth/butterfly species and specialized bees: <i>Andrena asteris/asteroids/hirticincta/ nubecula / placate/ simplex</i> , and <i>Colletes simulans</i> .	CNN, MMF, NSN, PG, RCN, SF, SMHN
<u><i>Symphotrichum patens</i></u>	Late purple aster	Aug-Oct	Butterflies. <i>Symphotrichum</i> genus hosts 112 moth/butterfly species.	SMHN
<u><i>Thermopsis villosa</i></u>	Carolina Bush Pea	May-Jun	Bumble bees. Hosts butterflies.	BPNG, MRG, RCN, RRNN, SMHN, WN
<u><i>Tradescantia ohiensis</i></u>	Ohio Spiderwort	Mar-Aug	(Flower has only pollen, not nectar.) bees, bumble bees	BPNG, MMF, NSN, SMHN
<u><i>Verbena hastata</i></u>	Blue vervain	Jun-Sep	Long and short-tongued bees collect nectar/pollen including epoline cuckoo, eucerine miner, halictid, and (specialist bee) verbena. Other visitors: thread-waisted wasp, bee flies, thick-	SF, WB

			headed flies and golden soldier beetle. Hosts Verbena moth & Common Buckeye butterfly.	
<u><i>Verbesina alternifolia</i></u>	Wingstem	Jul-Oct	Honey and native bees. Hosts gold moth, Summer Azure and silvery checkerspot butterfly.	MMF, RRNN, SMHN
<i>Viola</i> Note			<i>Viola</i> genus hosts 29 moth/butterfly species including Great Spangled Fritillary and specialized bees: <i>Andrena fragilis/ integra/ platyparia</i> .	
<u><i>Viola pedata</i></u>	Birdfoot violet	Mar-Jun	Hosts moths and fritillary and other butterflies. See <i>Viola</i> Genus Note above.	RCN, SMHN
<u><i>Viola sororia</i></u>	Common blue violet	Feb-May	Butterflies, bees. Hosts moths and Fritillary butterfly. See <i>Viola</i> Genus Note above.	MRG, WB
<u><i>Zizia aptera</i></u>	Heartleaf golden alexanders	Apr-May	Bees, butterflies, flies, beetles. Hosts black swallowtail butterfly.	MRG
<u><i>Zizia aurea</i></u>	Golden Alexanders	Apr-Aug	Bees, butterflies. Hosts Black Swallowtail butterfly.	MMF, MRG, NSN, RRNN, SF, SMHN

### SHADE-LOVING Wildflowers (3rd of 3 Wildflower Lists)

SCIENTIFIC NAME	COMMON NAME	FLOWERING	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<u><i>Actaea podocarpa</i></u>	Mountain bugbane	Jul-Oct	Flies, butterflies, hummingbirds.	RRNN, WN
<u><i>Actaea racemosa</i></u>	Black Cohosh	May-Sep	Butterflies, hummingbirds. Hosts Appalachian Azure butterfly.	BPNG, CNN, PG, NSN, RCN, RRNN, SMHN, WB, WCN
<u><i>Aquilegia canadensis</i></u>	Wild columbine	Apr-June	Hummingbirds, butterflies	BPNG, CNN, MMF, MRG, NSN, PG, RCN, RRNN, SF, SMHN, WB, , WCN, WN
<u><i>Arisaema triphyllum</i></u>	Jack-in-the-pulpit	Mar-Jun	Fungus gnats	BPNG, PG, NSN, RCN, RRNN, SMHN, WB, WCN, WN
<u><i>Aruncus dioicus</i></u>	Goat's beard	Jun-Jul	Butterflies, bees, beetles	BPNG, CNN, NSN, PG, RCN, SMHN, WCN
<u><i>Asarum canadense</i></u>	<u>Wild Ginger</u>	Apr-Jun	Flies. Alternate host to Pipevine Swallowtail butterflies.	BPNG, NSN, PG, RCN, RRNN, SMHN, WB, WCN
<u><i>Astilbe biternata</i></u>	False Goatsbeard	Apr-Jul	Bees, butterflies	BPNG, SMHN
<u><i>Cardamine diphylla</i></u>	Two-leaved Toothwort	Mar-Jun	Bees, beetles. Hosts West Virginia white and Falcate orange-tip butterflies.	SMHN
<u><i>Caulophyllum thalictroides</i></u>	Blue Cohosh	Apr-May	Flies (Syrphid, Tachinid, Muscid, etc.), parasitoid wasps (Braconid, Ichneumonid, etc.), small Halictid bees ( <i>Lasioglossum spp.</i> , etc.), and bumblebees.	BPNG, NSN, RRNN, SMHN, WB

<u><i>Chrysogonum virginianum</i></u>	Green and Gold	Mar-Oct	Bees, flies	BPNG, CNN, NSN, PG, RCN, SF, SMHN, WCN
<u><i>Dicentra eximia</i></u>	Wild Bleeding Heart	Apr-Jun	Hummingbirds, bees	BPNG, NSN, RRNN, SF, SMHN, WB
<u><i>Erythronium americanum</i></u>	Yellow Trout Lily	Mar-May	<i>Erythronium</i> genus hosts specialized bee: <i>Andrena erythronii</i> .	BPNG, PG, SMHN, WB, WCN
<u><i>Eurybia divaricata</i></u>	White Wood Aster	Aug-Oct	Butterflies, bees. Hosts Pearl Crescent butterfly.	BPNG, NSN, RCN, SMHN
<u><i>Geranium maculatum</i></u>	Wild Geranium	Apr-May	Butterflies, bees	BPNG, CNN, RCN, SF, SMHN, WCN, WN
<u><i>Hepatica acutiloba</i></u>	Sharp-lobed hepatica	Feb-Apr	Bees, flies	BPNG, SMHN, WCN
<u><i>Heuchera</i> Note</u>			<i>Heuchera</i> genus hosts specialized bee: <i>Colletes aestivalis</i> .	
<u><i>Heuchera americana</i></u>	Coral Bells	Mar-Aug	Bees. See <i>Heuchera</i> Genus Note above.	BPNG, CNN, NSN, PG, RCN, RRNN, SMHN, WCN, WN
<u><i>Heuchera villosa</i></u>	Rock Alumroot	Jun-Sep	Hummingbirds, butterflies. See <i>Heuchera</i> Genus Note above.	NSN, PG, RCN, WCN, WN
<u><i>Impatiens capensis</i></u>	Jewelweed (annual)	Jun-Oct	Bees. Major nectar source for fall migrating hummingbirds.	MMF, SMHN, WB
<u><i>Iris cristata</i></u>	Dwarf Crested Iris	Apr-May	Hummingbirds, bees	BPNG, CNN, MMF, PG, RCN, RRNN, SMHN, WCN
<u><i>Lilium michauxii</i></u>	Carolina lily	Jul-Aug	Hummingbirds, butterflies	NSN
<u><i>Lilium superbum</i></u>	Turk's-cap Lily	Jul-Aug	Hummingbirds, moths, bees, butterflies	NSN, RRNN, SMHN, WN
<u><i>Pachysandra procumbens</i></u>	Allegheny spurge	Mar-Apr	Bees	BPNG, PG, RCN, SF, SMHN, WCN
<u><i>Phacelia bipinnatifida</i></u>	Fernleaf phacelia (biennial)	Apr-May	Hosts specialized bees: <i>Andrena lamelliterga</i> , <i>Andrena phaceliae</i> , <i>Hoplitis simplex</i> .	NSN
<u><i>Phlox</i> Note</u>			<i>Phlox</i> genus hosts 8 moth/butterfly species. Sphinx/hummingbird moths and skippers are the primary pollinators of phlox.	
<u><i>Phlox divaricata</i></u>	Eastern Blue Phlox	Mar-May	Bees, butterflies, hummingbirds. See <i>Phlox</i> Genus Note above.	BPNG, CNN, MMF, PG, RCN, SF, SMHN, WCN, WN
<u><i>Phlox stolonifera</i></u>	Creeping Phlox	Apr-May	Bees, butterflies, hummingbirds. See <i>Phlox</i> Genus Note above.	CNN, MRG, NSN, PG, RCN, SMHN, WCN
<u><i>Podophyllum cymosum</i></u>	Umbrella Leaf	Apr-Jun	Bees, beetles, flies	BPNG, RRNN
<u><i>Polygonatum biflorum</i></u>	Solomon's seal	Mar-Jun	Bumble bees, butterflies	BPNG, CNN, NSN, PG, RCN, RRNN, SMHN, WB, WCN, WN

<u><i>Primula meadia</i></u>	Shooting star	Mar-Jun	Bees	RRNN, SMHN
<u><i>Sanguinaria canadensis</i></u>	Bloodroot	Mar-Apr	(Flower has only pollen, not nectar.) honey and bumble bees, Syrphid flies, beetles. Hosts specialized bees: little carpenter, Halictid, Andrenid.	NSN, PG, WB
<u><i>Sedum ternatum</i></u>	Woodland stonecrop	Apr-Jun	Butterflies	BPNG, PG, RCN, RRNN, SMHN
<u><i>Silene virginica</i></u>	Fire Pink	May-Jul	Hummingbirds, flies, bees, butterflies	CNN, NSN, SF, SMHN, WN
<u><i>Solidago curtisii</i></u>	Curtis' Goldenrod	Aug-Oct	Butterflies, beetles, bees. The <i>Solidago</i> genus hosts 115 moth/butterfly species and specialized bees: <i>Perdita octomaculata</i> , <i>Melissodes fumosus</i> , <i>Colletes simulans/solidaginis</i> , & several <i>Andrena</i> species.	SMHN
<u><i>Spiqilea marilandica</i></u>	Indian pink	Jun	Hummingbirds	CNN, PG, RCN, SMHN, WCN
<u><i>Symphotrichum cordifolium</i></u>	Blue Wood Aster	Sep-Oct	Butterflies, bees, wasps, flies, beetles. The <i>Symphotrichum</i> genus hosts 112 moth/butterfly species and specialized bees: <i>Andrena asteris/asteroids/hirticincta/nubecula/placate/simplex</i> , and <i>Colletes simulans</i> .	BPNG, NSN, RCN, RRNN, SMHN, WN
<u><i>Thalictrum pubescens</i></u>	Tall meadowrue	Jun-Aug	Butterflies	NSN, WCN, WN
<u><i>Tiarella cordifolia</i></u>	Foamflower	Apr-May	Butterflies, bees, moths	BPNG, CNN, NSN, PG, RCN, RRNN, SF, SMHN, WB, WCN, WN
<u><i>Trillium erectum</i></u>	Wake robin trillium	Mar-Apr	Hosts Black-Patched Clepsid and American Angle Shades moths.	SMHN
<u><i>Trillium catesbaei</i></u>	Catesby's trillium	Mar-Jun	Bees. Hosts moth species.	SMHN
<u><i>Trillium cuneatum</i></u>	Little sweet Betsy	Mar-Apr	Bees. Hosts moth species.	BPNG
<u><i>Trillium grandiflorum</i></u>	Great white trillium	Apr-May	Bees. Hosts moth species.	BPNG, SMHN, WCN
<u><i>Trillium luteum</i></u>	Yellow Trillium	Apr-Jun	Bees, beetles	PG, SMHN, WCN
Viola Note			<i>Viola</i> genus hosts 29 moth/butterfly species including Great Spangled Fritillary and specialized bees: <i>Andrena fragilis/integra/platyparia</i> .	
<u><i>Viola blanda</i></u>	Sweet white violet	Apr-May	Butterflies, bees. See <i>Viola</i> Genus Note above.	SMHN
<u><i>Viola rotundifolia</i></u>	Roundleaf yellow violet	Mar-Apr	See <i>Viola</i> Genus Note above.	SMHN
<u><i>Viola striata</i></u>	Striped cream violet	Mar-Jun	Butterflies, skippers, bees. See <i>Viola</i> Genus Note above.	SMHN

### SMALLER SHRUBS--MORE COMMONLY AVAILABLE (1<sup>ST</sup> OF 3 SHRUB LISTS)

SCIENTIFIC NAME	COMMON NAME	FLOWERING	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<i>Callicarpa americana</i>	American beautyberry	May-Jul	Butterflies. Hosts spring azure and snowberry clearwing.	PG, RCN, SMHN, SF, WB
<i>Ceanothus americanus</i>	New Jersey tea	May-Jun	Butterflies, bees, moths, predatory wasps. Hosts Mottled Duskywing, Spring Azure, Summer Azure butterflies. <i>Ceanothus</i> genus hosts specialized bees: <i>Pseudopanurgus pauper</i> and <i>Pseudopanurgus virginicus</i> .	CNN, PG, RCN, RRNN, SMHN, SF, WB, WN
<i>Diervilla sessilifolia</i>	Southern Bush Honeysuckle	Jul-Aug	Bumble bees	BPNG, CNN, MMF, PG, RCN, RRNN, WN
<i>Hydrangea arborescens</i>	Smooth Hydrangea	May-Jun	Butterflies. Hosts hydrangea sphinx moth.	CNN, PG, RCN, RRNN, SMHN
<i>Hypericum prolificum</i>	Shrubby St. Johnswort	Jun-Oct	(Flower has only pollen, not nectar.) Bumble and Halictid bees, Syrphid flies. Hosts 20 moth/butterfly species including Gray Hairstreak butterfly and Gray Half-spot moths.	CNN, PG, SMHN, SF, WB
<i>Leucothoe fontanesiana</i>	Doghobble	Apr-May	Bees, butterflies	CNN, PG, RCN, RRNN, SMHN
<i>Rhododendron viscosum</i>	Swamp Azalea	May-Aug	Butterflies. <i>Rhododendron</i> genus hosts specialized bee: <i>Andrena cornelli</i> .	CNN, RCN, SMHN
<i>Rosa carolina</i>	Carolina Rose	May-Jun	Flower has only pollen. Long-tongued bees (bumble, Anthophorine, digger, green metallic), Syrphid flies, and beetles. Hosts many moths.	CNN, NSN, SMHN, SF
<i>Spiraea alba</i>	Narrowleaf Meadowsweet	Jun-Sep	Bees, butterflies, moths. Hosts Spring Azure butterfly.	CNN, PG, RRNN, SF
<i>Spiraea tomentosa</i>	Steeplebush, Hardhack	Jul-Sep	Bees, butterflies, moths	CNN, PG, RCN, SMHN
<i>Viburnum acerifolium</i>	Maple-leaf viburnum	Apr-Aug	The <i>Viburnum</i> genus hosts 104 moth/butterfly species including Spring Azure butterfly.	CNN, PG, RRNN, WN
<i>Xanthorhiza simplicissima</i>	Yellowroot	Mar-May	Bees	CNN, PG, RCN, RRNN, SMHN, WB

### TALLER SHRUBS--MORE COMMONLY AVAILABLE (2<sup>ND</sup> OF 3 SHRUB LISTS)

Can't find your shrub here? Check our Smaller Tree list.

SCIENTIFIC NAME	COMMON NAME	FLOWERING	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<i>Amelanchier canadensis</i>	Canadian serviceberry	Apr-May	Bees; Beetles, Wasps, Flies; Hosts 18 moth & butterfly species including Red-Spotted Purple & Viceroy butterflies. <i>Amelanchier</i> genus hosts 124 moth/butterfly species.	PG, RCN, SF

<u><i>Aronia arbutifolia</i></u>	Red Chokeberry	May	Butterflies. Hosts 6 moth/butterfly species.	CNN, PG, RCN, SMHN, WB
<u><i>Aronia melanocarpa</i></u>	Black chokeberry	May-Jun	Butterflies	CNN, PG, RCN, SF, SMHN
<u><i>Calycanthus floridus</i></u>	Carolina allspice	Apr-May	Butterflies, beetles	BPNG, CNN, NSN, PG, RCN, SMHN, WN
<u><i>Cephalanthus occidentalis</i></u>	Buttonbush	Jun-Aug	Hummingbirds, butterflies, bees. Hosts 19 moth/butterfly species.	CNN, MMF, PG, RCN, SF, WB, WN
<u><i>Clethra acuminata</i></u>	Mountain Pepperbush	Jul-Aug	Hummingbirds, butterflies	CNN, PG, RCN, SMHN
<u><i>Corylus americana</i></u>	Hazelnut	Apr-Jun	Hosts 10 moth/butterfly species including Juvenal's Duskywing skipper.	CNN, PG, RCN, SF, WB
<u><i>Euonymus americanus</i></u>	Hearts-a-bustin	May-Jun	Flies, bees. Hosts 11 moth/butterfly species.	CNN, PG, RCN, SMHN, SF
<u><i>Fothergilla major</i></u>	Mountain witchalder	Apr-May	Bees	CNN, PG, RCN, SF
<u><i>Hamamelis virginiana</i></u>	American witchhazel	Sep–Nov	Moths (primary pollinator); Native Bees; Honey Bees; Beetles, Wasps, Flies. Flowers are pollinated by noctuid moths. Hosts 63 moth/butterfly species including Henry's Elfin butterfly.	PG, RCN, SMHN, WB, WN
<u><i>Ilex verticillata</i></u>	Common Winterberry	Apr-Jul	Hosts Henry's Elfin butterfly. Ilex genus hosts specialized bee: <i>Colletes banksi</i> .	CNN, PG, RCN, SF, SMHN, WN
<u><i>Itea virginica</i></u>	Virginia sweetspire	Aug-Oct	Butterflies	CNN, PG, RCN, SF, SMHN
<u><i>Kalmia latifolia</i></u>	Mountain Laurel	May-Jun	Hummingbirds, butterflies. Hosts 33 moth/butterfly species.	CNN, PG, RCN, SMHN
<u><i>Lindera benzoin</i></u>	Spicebush	Apr	Hosts 11 butterfly species including Spicebush & Palamedes Swallowtail.	CNN, MMF, PG, RCN, RRNN, SF, SMHN, WB
<u><i>Physocarpus opulifolius</i></u>	Common ninebark	May-Jun	Bees	CNN, NSN, PG, RCN, WN
<i>Rhododendron</i> Note			<i>Rhododendron</i> genus hosts specialized bee: <i>Andrena cornelli</i> , and 51 moth/butterfly species.	
<u><i>Rhododendron arborescens</i></u>	Sweet/Smooth Azalea	Jun-Jul	Butterflies. bees. See <i>Rhododendron</i> Genus Note above.	CNN, PG, RCN, SMHN
<u><i>Rhododendron calendulaceum</i></u>	Flame Azalea	May-Jun	Butterflies. bees. Tiger swallowtail butterfly, the Flame azalea's primary pollinator, is only known example of pollination by butterfly wings.. See <i>Rhododendron</i> Genus Note above.	CNN, PG, RCN
<u><i>Rhododendron periclymenoides</i></u>	Pinxter azalea	Mar-May	Butterflies. bees. See <i>Rhododendron</i> Genus Note above.	CNN, PG, RCN, SMHN
<u><i>Rhododendron vaseyi</i></u>	Pinkshell azalea	Apr-May	Butterflies, bees. See <i>Rhododendron</i> Genus Note above. Butterflies, bees.	CNN, RCN, SMHN
<u><i>Rhus aromatica</i></u>	Fragrant Sumac	Apr-Jun	bees, butterflies. Hosts red-banded hairstreak butterfly.	CNN, PG, RCN, WN



<u><i>Sambucus canadensis</i></u>	Common elderberry	May-Jul	Butterflies. Hosts 42 moth/butterfly species.	CNN, NSN, PG, RCN, SF, SMHN, WB, WN
<u><i>Vaccinium corymbosum</i></u>	Highbush blueberry	May-Jun	Bees, butterflies. Hosts Brown Elfin butterfly. <i>Vaccinium</i> genus hosts specialized bees: <i>Andrena bradleyi</i> & <i>carolina</i> , <i>Panurginus atramontensis</i> , <i>Habropoda laboriosa</i> , <i>Colletes productus</i> & <i>validus</i> , and <i>Osmia virga</i> .	CNN, PG, RCN, WB
<i>Viburnum</i> Note			The <i>Viburnum</i> genus hosts 104 moth/butterfly species including spring azure butterflies and hummingbird clearwing moths.	
<u><i>Viburnum cassinoides</i></u>	Witherod Viburnum	May-Jun	See <i>Viburnum</i> Genus Note above.	CNN, PG, RCN
<u><i>Viburnum nudum</i></u>	Possumhaw holly	Jun-Jul	See <i>Viburnum</i> Genus Note above.	PG, RCN, SF, SMHN
<u><i>Viburnum prunifolium</i></u>	Smooth Blackhaw	Apr-May	Bees. See <i>Viburnum</i> Genus Note above.	CNN, PG, RCN, RRNN

### SMALL & TALL SHRUBS--LESS COMMONLY AVAILABLE (3<sup>RD</sup> OF 3 SHRUB LISTS)

Can't find your shrub here? Check our Smaller Tree list.

SCIENTIFIC NAME	COMMON NAME	FLOWERING	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<u><i>Amorpha fruticosa</i></u>	Tall/False indigo-bush	Apr-Jun	Butterflies, bees	SMHN, WB
<u><i>Comptonia peregrina</i></u>	Sweetfern	May-Aug	Butterflies	MMF, RCN
<u><i>Hydrangea radiata</i></u>	Silverleaf Hydrangea	May-Jul	Butterflies	PG
<i>Hypericum</i> Note			<i>Hypericum</i> genus hosts 20 moth/butterfly species.	
<u><i>Hypericum densiflorum</i></u>	Bushy St. John's-wort	Jun-Aug	Beetles. See <i>Hypericum</i> Genus Note above.	CNN, RCN
<u><i>Hypericum hypericoides</i></u>	St. Andrew's cross	May-Aug	See <i>Hypericum</i> Genus Note above.	NSN
<u><i>Philadelphus inodorus</i></u>	Mock orange	Apr-May	Bees	RRNN, SMHN
<u><i>Prunus americana</i></u>	American plum	Apr-May	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Moths; Butterflies. Hosts 46 moth & butterfly species including Coral Hairstreak, Eastern Tiger Swallowtail, Spring Azure, Viceroy, and Red-spotted Purple butterflies.	SF
<i>Rhododendron</i> Note			<i>Rhododendron</i> genus hosts 51 moth/butterfly species and specialized bee: <i>Andrena cornelli</i> .	
<u><i>Rhododendron catawbiense</i></u>	Catawba Rhododendron	Jun	Hummingbirds, butterflies, bees. See <i>Rhododendron</i> Genus Note above.	PG, RCN
<u><i>Rhododendron maximum</i></u>	Rosebay rhododendron	Jun-Jul	Hummingbirds, butterflies, bees. See <i>Rhododendron</i> Genus Note above.	CNN, SMHN
<u><i>Rhododendron minus</i></u>	Carolina rhododendron	Apr-May	Hummingbirds. See <i>Rhododendron</i> Genus Note above.	CNN, SMHN
<u><i>Rhus glabra</i></u>	Smooth sumac	May-Jul	Butterflies. Hosts Red-banded Hairstreak butterfly.	PG, SF, SMHN

<u><i>Rhus typhina</i></u>	Staghorn sumac	Jun-Jul	Bees. Hosts Luna moth and Spring Azure butterfly.	PG, SMHN
<u><i>Rosa palustris</i></u>	Swamp rose	May-Jul	Flower offers only pollen. Bumble bees, long-tongued bees, Halictid bees, Syrphid flies, tumbling flower beetles, and other beetles. Hosts moths.	CNN
<u><i>Rosa virginiana</i></u>	Virginia rose	Jun-Aug	Bees, butterflies, hummingbirds	RCN
<u><i>Rubus odoratus</i></u>	Flowering Raspberry	Jun-Aug	Butterflies, bees (Some cavity nesting bees nest in stems.)	SF, SMHN
<u>Salix Note</u>			<i>Salix</i> genus hosts specialized bees: <i>Andrena bisalicis/ erythrogaster/ fenningeri/ illinoiensis/ mariae/ salictaria</i> and 455 moth/butterfly species including Acadian Hairstreak and Viceroy butterflies, and Dreamy Duskywing skipper.	
<u><i>Salix humilis</i></u>	Prairie willow	Mar-May	Flies and small bees including Cuckoo, Halictid and Andrenid bees. See <i>Salix</i> Genus Note above.	SF
<u><i>Salix sericea</i></u>	Silky willow	Apr	Honey bees, native bees. See <i>Salix</i> Genus Note above.	RCN, SF, WN
<u><i>Symphoricarpos orbiculatus</i></u>	Coral berry	Jul-Sep	Hosts moths.	PG, SMHN, WN
<u>Vaccinium Note</u>			<i>Vaccinium</i> genus hosts 288 moth/butterfly species and specialized bees: <i>Andrena bradleyi/ carolina, Panurginus atramontensis, Habropoda laboriosa, Colletes productus/ validus, and Osmia virga.</i>	
<u><i>Vaccinium altomontanum</i></u>	Blue Ridge Blueberry	Apr-May	Blueberry bees, bumble bees. Hosts 38 moths. See <i>Vaccinium</i> Genus Note above.	RRNN
<u><i>Vaccinium macrocarpon</i></u>	Cranberry	May-Jul	Blueberry bees, bumble bees. See <i>Vaccinium</i> Genus Note above.	PG, RCN
<u><i>Viburnum carolinianum</i></u>	Carolina Arrowwood	Apr-Jun	<i>Viburnum</i> genus hosts 104 moth/butterfly species.	CNN, RRNN
<u><i>Viburnum lantanoides</i></u>	Hobblebush	May-Jun	Butterflies. <i>Viburnum</i> genus hosts 104 moth/butterfly species including spring azure butterfly.	RRNN
<u><i>Yucca filamentosa</i></u>	Adam's needle, Yucca	Apr-Aug	Hummingbirds. Mutualistic relationship with small white yucca moth-plant's sole pollinator, and moth's sole host plant. Hosts Yucca Giant and Cofaqui Giant skippers.	RCN, SMHN, WB

## VINES

SCIENTIFIC NAME	COMMON NAME	FLOWERING	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<u><i>Aristolochia macrophylla</i></u>	Dutchman's Pipe	May-Jun	Flies. Hosts Pipevine Swallowtail butterfly	MMF, SF
<u><i>Bignonia capreolata</i></u>	Crossvine	Mar-Apr	Hummingbirds. Hosts Rustic Sphinx moth	PG, RCN, WCN
<u><i>Clematis virginiana</i></u>	Virgin's Bower	Jul-Sep	Butterflies, bees, wasps, hummingbirds, moths	MMF, NSN
<u><i>Hydrangea barbara</i></u>	Climbing hydrangea	May-Oct	Bees, butterflies, other pollinators	NSN, RCN
<u><i>Lonicera sempervirens</i></u>	Coral/Trumpet honeysuckle	Mar-Jun	Hummingbirds. Host 36 moth/butterfly species including Spring Azure Butterfly & Snowberry Clearwing Moth.	MMF, NSN, PG, RCN, SF, SMHN, WCN, WN

<u><i>Parthenocissus quinquefolia</i></u>	Virginia creeper <sup>φ</sup>	Jun-Jul	Bees. Hosts several species of sphinx moths.	PG
<u><i>Passiflora incarnata</i></u>	Passion vine, Maypops <sup>φ</sup>	May-Sep	Bees. Hosts Gulf and Variegated Fritillary butterflies.	MMF, PG, RCN, WB
<u><i>Passiflora lutea</i></u>	Eastern Yellow Passionflower	May-Sep	Hummingbirds, butterflies, bees. Hosts Gulf Fritillary, Zebra Heliconia, and Variegated Fritillary Butterfly. <i>Passiflora lutea</i> species hosts tiny, black, VERY specialized, passionflower bee, <i>Anthemurgus passiflorae</i> .	MMF
<u><i>Wisteria frutescens</i></u>	American wisteria	May-Jun	Birds, butterflies, hummingbirds	PG

<sup>φ</sup>Passion vine and Virginia creeper are very aggressive. Passion vine spreads by root suckers, and may best be grown in a pot to contain it. It emerges late in May, just when you think it is not coming back. Virginia creeper is poisonous (possibly fatal if eaten) and many people have an allergic reaction to its sap when skin contact occurs. Virginia creeper can damage gutters and outside surfaces of buildings.

### SMALLER TREES < 50' (1<sup>st</sup> of 2 Tree Lists) *Can't find your tree here? Check our taller shrub lists.*

Emerging science is revealing that bees collect pollen from the flowers of both animal- and wind-pollinated trees, especially in the early spring. This new list includes many more trees not only to host moth and butterfly larvae, but also to feed bees!

SCIENTIFIC NAME	COMMON NAME	FLOWERING	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<u><i>Amelanchier</i></u> Note			<i>Amelanchier</i> genus hosts 124 moth/butterfly species.	
<u><i>Amelanchier arborea</i></u>	Common serviceberry	Mar–May	Native Bees; Beetles, Wasps, Flies; Hosts Red-Spotted Purple butterfly. See <i>Amelanchier</i> Genus Note above.	PG, WB
<u><i>Amelanchier laevis</i></u>	Allegheny serviceberry	Mar–Apr	Native Bees; Hosts <i>Bucculatrix pomifoliella</i> moth, and Red-Spotted Purple & Viceroy butterflies. See <i>Amelanchier</i> Genus Note above.	PG, WN
<u><i>Asimina triloba</i></u>	Pawpaw	Apr–May	Beetles, Wasps, Flies; Moths. Hosts 12 moth & butterfly species, including Zebra Swallowtail butterfly.	MMF, PG, RCN, SMHN, SF, WB, WN
<u><i>Carpinus caroliniana</i></u>	American hornbeam	Apr–May	Hosts 50 moth & butterfly species including Eastern Tiger Swallowtail and Red-spotted Purple butterflies.	PG, SMHN, WN
<u><i>Cercis canadensis</i></u>	Eastern redbud	Mar–Apr	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Moths; Butterflies; Hummingbirds; Hosts 24 moth & butterfly species including Henry's Elfin butterfly. Hosts specialist bee, <i>Habropoda laboriosa</i> . Leafcutter bees (such as <i>Megachile rotundata</i> ) cut disks from leaves for nesting material.	PG, RCN, SMHN, WB, WN
<u><i>Chionanthus virginicus</i></u>	White fringetree	Apr–May	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Moths; Butterflies; Hosts 8 moth species.	PG, RCN, SMHN, SF, WB
<u><i>Cladrastis kentukea</i></u>	Kentucky yellowwood	Jun–Jul	Native Bees; Butterflies	PG, SMHN
<u><i>Cornus</i></u> Note			<i>Cornus</i> genus hosts specialized bees: <i>Andrena fragilis/integra/platyparia</i> .	
<u><i>Cornus alternifolia</i></u>	Alternateleaf dogwood	Apr–May	Native Bees; Beetles, Wasps, Flies; Butterflies; Hosts 118 moth & butterfly species. See <i>Cornus</i> Genus Note above.	PG, SF
<u><i>Cornus florida</i></u>	Flowering dogwood	Mar–Apr	Native Bees; Bumble bees; Beetles, Wasps, Flies; Moths; Butterflies; Hosts 118 moth & butterfly species including spring Azure butterfly.	PG, RCN, WB

			(Consider Anthracnose-resistant cultivars.) See <i>Cornus</i> Genus Note above.	
<u><i>Crataegus phaenopyrum</i></u>	Washington hawthorn	Apr–May	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Moths; Butterflies; Hummingbirds. Hosts 168 moth/butterfly species including Gray Hairstreak, Red-spotted Purple, and Viceroy butterflies.	PG, SF, WB, WN
<u><i>Diospyros virginiana</i></u>	Common persimmon	May–Jun	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Moths; Butterflies; Hosts 46 butterflies/moths.	RCN, SF, SMHN, WB, WN
<u><i>Halesia tetraptera</i></u>	Mountain silverbell	Apr–May	Native Bees; Butterflies; Hosts 3 moths.	PG, RCN, SMHN
<u><i>Ilex opaca</i></u>	American holly	Apr–May	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Butterflies; Hosts 39 moth & butterfly species.	RCN, SF, WB
<u><i>Magnolia tripetala</i></u>	Umbrella-tree	Apr–May	Beetles, Wasps, Flies; Hosts <i>Callosamia angulifera</i> moth.	SMHN
<u><i>Magnolia virginiana</i></u>	Sweetbay	Jun–Aug	Native Bees; Honey Bees; Beetles, Wasps, Flies; Hosts 14 butterflies/moths.	PG, RCN, SMHN
<u><i>Ostrya virginiana</i></u>	Hophornbeam	Apr–May	Hosts 91 butterflies/moths.	SMHN
<u><i>Oxydendrum arboreum</i></u>	Sourwood	Jun–Jul	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Butterflies; Hosts 14 moths.	PG, RCN, SF, SMHN
<u><i>Sassafras albidum</i></u>	Sassafras	May–Jun	Native Bees; Bumble bees; Beetles, Wasps, Flies; Butterflies. Hosts 38 moth & butterfly species including Spicebush Swallowtail.	

### MEDIUM-LARGE TREES > 50' (2<sup>nd</sup> of 2 Tree Lists)

SCIENTIFIC NAME	COMMON NAME	FLOWERING	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<u><i>Acer rubrum</i></u>	Red maple	Mar–Apr	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Hosts 285 moths.	RCN
<u><i>Acer saccharinum</i></u>	Silver maple	Mar–Apr	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Hosts 56 moths.	
<u><i>Acer saccharum</i></u>	Sugar maple	Apr–May	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Hosts 107 moths.	PG, RCN
<u><i>Aesculus flava</i></u>	Yellow buckeye	May–Jun	Native Bees; Hummingbirds (major nectar source for spring migration); Hosts 5 moths.	PG, SMHN, WN
<u><i>Betula lenta</i></u>	Sweet birch	May–Jun	Hosts 22 moths/butterflies including Mourning Cloak & Dreamy Duskywing.	SMHN
<u><i>Betula nigra</i></u>	River birch	Apr–May	Hosts 17 moths butterflies including Mourning Cloak and Dreamy Duskywing butterflies.	PG, RCN, WB, WN
<u><i>Fagus grandifolia</i></u>	American beech	Apr–May	Hosts 134 moths/butterflies.	PG, RCN
<u><i>Gleditsia triacanthos</i></u>	Honeylocust	May–Jun	Native Bees; Honey Bees; Beetles, Wasps, Flies; Moths; Butterflies; Hosts 47 moths/butterflies.	PG, RCN

<u><i>Juniperus virginiana</i></u>	Eastern redcedar	May–Jun	Hosts 42 moth/butterflies.	SF, WB
<u><i>Liriodendron tulipifera</i></u>	Tuliptree	Apr–May	Native Bees; Bumble bees; Honey Bees; Hummingbirds; Beetles, Wasps, Flies; Hosts 22 moths/butterflies including tiger swallowtails.	SMHN
<u><i>Magnolia acuminata</i></u>	Cucumber tree	Apr–May	Beetles, native bees; wasps, flies; Hosts 9 moths/butterflies.	PG, SMHN
<u><i>Magnolia fraseri</i></u>	Mountain magnolia	Apr–May	Beetles are primary pollinators of magnolias.	SMHN
<u><i>Nyssa sylvatica</i></u>	Blackgum	May–Jun	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies. Hosts 36 moth/butterfly species.	PG, RCN, SF, WB, WCN
<u><i>Pinus strobus</i></u>	Eastern white pine	May–Jun	Pollen for bees. Hosts 97 moths/butterflies.	
<u><i>Platanus occidentalis</i></u>	American sycamore	Apr–May	Hosts 35 moths/butterflies.	WB
<u><i>Quercus</i></u> Note			<i>Quercus</i> genus hosts > 540 moths/butterfly species.	
<u><i>Quercus alba</i></u>	White oak	Apr–May	Bumble bees. Hosts 166 moth/butterfly species.	RCN, WN
<u><i>Quercus bicolor</i></u>	Swamp white oak	Mar–Apr	Bumble bees. Hosts 17 moth/butterfly species.	
<u><i>Quercus palustris</i></u>	Pin oak	Apr–May	Bumble bees. Hosts 40 moth/butterfly species.	RCN
<u><i>Quercus rubra</i></u>	Northern red oak	Apr–May	Bumble bees. Hosts 174 moth/butterfly species.	RCN
<u><i>Salix nigra</i></u>	Black willow	Mar–Apr	Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Moths; Butterflies. Hosts 11 butterflies/moths. <i>Salix</i> genus hosts specialized bees: <i>Andrena bisalicis/ erythrogaster/ fenningeri/ illinoensis/ mariae/ salictaria</i> and 455 moth/butterfly species including Acadian Hairstreak and Viceroy butterflies, and Dreamy Duskywing skipper.	SMHN, WB
<u><i>Tilia americana</i></u>	American basswood	May–Jun	Moths (primary pollinator); Native Bees; Bumble bees; Honey Bees; Beetles, Wasps, Flies; Hummingbirds. Hosts 149 moth/butterfly species.	PG
<u><i>Tsuga canadensis</i></u>	Eastern hemlock	Apr–May	Hosts 63 moths.	RCN
<u><i>Ulmus americana</i></u>	American elm	Mar–Apr	Honey Bees. Hosts 135 moths/butterflies.	PG
<u><i>Ulmus rubra</i></u>	Slippery elm	Jan–Apr	Honey Bees. Hosts 31 moths/butterflies.	SMHN, WB

## NATURAL HUMMINGBIRD FEEDERS

Generally, these flowers attract hummingbirds because they are tubular, and/or they are red/orange, and/or they have abundant nectar. If the flower is lucky, the hummingbird's forehead will collect pollen from its anthers. See full "Value to Pollinators" in respective wildflower, vine, tree, and shrub lists above.

SCIENTIFIC NAME	COMMON NAME	FLOWERING	PLANT TYPE	SUPPLIER
<u><i>Aesculus flava</i></u>	Yellow buckeye	May–Jun	tree	PG, SMHN
<u><i>Amsonia tabernaemontana</i></u>	Eastern Blue Star	Mar–May	wildflower	BPNG, CNN, RCN, RRNN, PG, NSN, SMHN, WB

<u><i>Aquilegia canadensis</i></u>	Wild columbine	Apr-Jun	wildflower	BPNG, CNN, MRG, NSN, PG, RCN, RRNN, SF, SMHN, WB, WCN
<u><i>Bignonia capreolata</i></u>	Crossvine	Mar-Apr	vine	PG, RCN, WCN
<u><i>Chelone lyonii</i></u>	Pink Turtlehead	Aug-Oct	wildflower	BPNG, CNN, PG, RCN, SMHN, WCN
<u><i>Chelone obliqua</i></u>	Red turtlehead	Jul-Sep	wildflower	SMHN
<u><i>Delphinium exaltatum</i></u>	Tall larkspur	Jul-Sep	wildflower	RRNN, SF
<u><i>Dicentra eximia</i></u>	Wild Bleeding Heart	Apr-Jun	wildflower	BPNG, NSN, RRNN, SF, SMHN, WB
<u><i>Impatiens capensis</i></u>	Jewelweed	Jun-Oct	wildflower	SMHN, WB
<u><i>Impatiens pallida</i></u>	Yellow jewelweed	Jun-Oct	wildflower	SMHN
<u><i>Lilium superbum</i></u>	Turk's cap Lily	Jul-Aug	wildflower	NSN, RRNN, SMHN
<u><i>Liriodendron tulipifera</i></u>	Tuliptree	Apr–May	tree	SMHN
<u><i>Lobelia cardinalis</i></u>	Cardinal Flower	Jul-Sep	wildflower	BPNG, CNN, NSN, PG, RCN, RRNN, SF, SMHN, WCN
<u><i>Lobelia siphilitica</i></u>	Great Blue Lobelia	Jul-Sep	wildflower	CNN, MRG, NSN, RCN, RRNN, SF, SMHN, WCN
<u><i>Lonicera sempervirens</i></u>	Coral honeysuckle	Mar-Jun	vine	NSN, PG, RCN, SF, SMHN, WCN
<u><i>Monarda didyma</i></u>	Scarlet bee balm	Jul-Sep	wildflower	BPNG, CNN, MRG, NSN, PG, RCN, SF, SMHN, WB, WCN
<u><i>Monarda fistulosa</i></u>	Wild bergamot, Beebalm	May-Sep	wildflower	BPNG, CNN, MRG, NSN, PG, RCN, SF, SMHN, WB, WCN
<u><i>Monarda punctata</i></u>	Spotted Beebalm	Apr-Aug	wildflower	CNN, MRG, NSN, RRNN, SF, WB, WCNs
<u><i>Penstemon canescens</i></u>	Appalachian beardtongue	May-Jun	wildflower	BPNG, NSN
<u><i>Penstemon digitalis</i></u>	Foxglove beardtongue	May-Jul	wildflower	CNN, MRG, PG, RCN, SMHN, SF, WCN, WN
<u><i>Penstemon smallii</i></u>	Blue Ridge beardtongue	May-Jun	wildflower	BPNG, NSN, SMHN
<u><i>Physostegia virginiana</i></u>	Obedient plant	Jul-Oct	wildflower	BPNG, PG, RCN, SF, SMHN
<u><i>Silene virginica</i></u>	Fire Pink	May-Jul	wildflower	CNN, NSN, SF, SMHN
<u><i>Spigilea marilandica</i></u>	Indian pink	Jun	wildflower	CNN, PG, RCN, SMHN, WCN

## **BUNCH GRASSES/SEDGES/RUSHES**

While grasses generally don't provide nectar, they are important for pollinator habitat and possibly as pollen sources for bees. Native bunch grasses/sedges/rushes serve as larval hosts and habitat for overwintering butterfly eggs, caterpillars and pupae. Their thatch offers ideal protection from predators and cold weather and creates nesting conditions for many bumble bees. Bunch grasses also stabilize flower beds and meadows, fending off exotic invasive plants.

SCIENTIFIC NAME	COMMON NAME	VALUE TO POLLINATORS (NECTAR, POLLEN, LARVAL HOSTS)	SUPPLIER
<i>Andropogon</i> Note		<i>Andropogon</i> genus hosts common wood nymph & skippers.	
<i>Andropogon gerardii</i>	Big bluestem	See <i>Andropogon</i> Genus Note above.	MRG, NSN, PG, RCN, WN
<i>Andropogon ternarius</i>	Splitbeard bluestem	See <i>Andropogon</i> Genus Note above.	CNN, WN
<i>Andropogon virginicus</i>	Broomsedge bluestem	See <i>Andropogon</i> Genus Note above.	RCN
<i>Arundinaria gigantea</i>	River cane	Hosts Southern Pearly-Eye butterfly and various skippers.	MRG
<i>Carex appalachica</i>	Appalachian sedge	Flowers have nectar. Hosts skippers.	BPNG, CNN, RCN, SF, WB, WCN, WN
<i>Carex flaccosperma</i>	Blue Wood Sedge	Hosts Satyr butterflies.	RCN
<i>Carex pensylvanica</i>	Pennsylvania sedge	Hosts 36 species of caterpillars including Satyr butterflies.	BPNG, CNN, NSN, PG, RCN, SF, WB
<i>Carex plantaginea</i>	Plantain-leaved sedge	Hosts Satyr butterflies.	NSN, RCN, SF, SMHN, WB
<i>Carex rosea</i>	Rosy sedge	Hosts skippers.	NSN, SMHN
<i>Carex texensis</i>	Texas Sedge	Hosts skippers.	BPNG
<i>Chasmanthium latifolium</i>	River oats	Hosts Northern Pearly-Eye butterfly and various skippers.	PG, SMHN, WB, WN
<i>Dichanthelium clandestinum</i>	Deer-tongue grass	Hosts skippers and moths.	SMHN
<i>Elymus canadensis</i>	Canada wildrye	Hosts Zabulon skipper butterfly.	SF, WB
<i>Elymus hystrix</i>	Bottle brush grass	Hosts Northern Pearly-Eye butterfly and moths.	NSN, SF
<i>Eragrostis spectabilis</i>	Purple lovegrass	Hosts skippers.	CNN, SF
<i>Juncus effusus</i>	Soft Rush	Nesting and overwintering habitat for moths & butterflies.	RCN, WB, WCN, WN
<i>Muhlenbergia capillaris</i>	Muhly grass	Nesting habitat for bumble bees.	CNN, PG, RCN, SF, WCN, WN
<i>Panicum virgatum</i>	Switch-grass	Hosts pink streak moths, common wood nymph, & skipper butterflies.	CNN, MRG, PG, RCN, WCN, WN
<i>Schizachyrium scoparium</i>	Little bluestem	Hosts common wood nymph and skipper butterflies.	BPNG, CNN, MRG, NSN, PG, RCN, SF, WCN, WN
<i>Sorghastrum nutans</i>	Indian grass	Hosts Pepper-and-Salt Skipper butterfly.	NSN, SF, WN
<i>Tridens flavus</i>	Purple Top	Hosts common wood nymph and skipper butterflies: Crossline, Little Glassywing, and Broad-winged.	SF

## **POLLINATOR-FRIENDLY GARDEN DESIGNERS & LANDSCAPE ARCHITECTS**

### BeeHaven Gardens LLC

- Services: design, consulting, and container garden installation
- Description: Specializing in small-spot pollinator gardens and container gardens. Helping home gardeners integrate pollinator-friendly plants into their existing landscape.
- Contact: Patrice German, Owner/Consultant, [patrice.german.xo@gmail.com](mailto:patrice.german.xo@gmail.com), 803-487-2166

### Blackbird Landscapes LLC

- Services: Design/Installation of native plantings and hardscape. Limited maintenance services available.
- Description: Scientifically driven approach to landscape design to establish beautiful and healthy habitat. Specializing in building plant communities from the tallest trees to the ground covers and vines as well as full meadow installations. Exclusively sourcing local plant material for the highest quality and selection. Our designs are built to be resilient with a focus on ease of maintenance and drought tolerance.
- Contact: [info@blackbird-landscapes.com](mailto:info@blackbird-landscapes.com); [blackbird-landscapes.com](http://blackbird-landscapes.com), 828-680-1322

### Equinox Environmental

- Services: Planning and design for large and small-scale, public or private projects.
- Description: Streams & Wetland Mitigation, Natural Resource Inventories & Assessments, Invasive Exotic Species Management, Streams & Wetland Assessments, Environmental & Regulatory Permitting, Habitat Management, Ecological Monitoring
- Contact: (828) 253-6856

### Gardens That Matter

- Services: onsite garden consultations, online classes and community, including “How to Grow a Pollinator Café,” a course focused on the essentials you need to create a colorful garden bustling with hummingbirds, bees, and butterflies.
- Description: Gardens That Matter brings together gardeners to develop skills and confidence for growing more food and flowers, enjoy a deeper connection with nature, and practice sustainability in our backyards and beyond.
- Contact: Amy and Colby Landers, [amy@gardensthatmatter.com](mailto:amy@gardensthatmatter.com)

### Living Roofs, Inc.

- Services: green roofs, living roofs, living walls
- Description: Designing and building green roofs throughout the Southeast that support native pollinators.
- Contact: Kathryn Ancaya, [kate@livingroofsinc.com](mailto:kate@livingroofsinc.com)

### Mary Weber Landscape Architecture, PLLC

- Services: Landscape architecture and planning for residential, small-scale commercial, and public projects.
- Description: Designing the built environment to be ecologically sustainable by integrating native plants, creating wildlife and pollinator-attracting gardens, and incorporating natural stormwater management into the landscape while being aesthetically pleasing and providing enjoyable outdoor spaces for clients.
- Contact: Mary Weber, Landscape Architect, [mary@maryweberdesign.com](mailto:mary@maryweberdesign.com), 828-281-3153

### Mountain Native Landscape Design

- Services: Residential landscape design and consulting, public speaking on native landscaping and rain gardens



- Description: Designing beautiful landscapes or gardens that help incorporate native plants to bring in myriad forms of wildlife, Consulting with property owners on issues related to sustainable landscaping practices.
- Contact: Drew Lathin at [mnld828@gmail.com](mailto:mnld828@gmail.com)

#### M R Gardens

- Services: landscape design and garden coaching. We can usually recommend a gardener that we've trained if the client needs help with the installation and maintenance.
- Description: Currently we focus on helping customers with designs using plants from our greenhouse, specifically native perennials that benefit the ecosystem. In the past, we have completed all-encompassing designs that include native and/or edible trees and shrubs and some ornamental flowers. We may return to larger designs in the future, so please contact us if that's an interest. We also offer tours of native flower gardens, orchards, and "microbe rich" vegetable beds at our farm in the Oakley community of Asheville.
- Contact: Megan Riley, [megan@mrgardens.net](mailto:megan@mrgardens.net), 828.333.4151 (voicemail)

#### PatchWork Meadows

- Services: design, installation, maintenance
- Description: PatchWork Meadows is a green business, designing and installing landscapes for pollinator habitat. We specialize in converting sections of residential and commercial lawn into wildflower meadow patches that benefit bees, butterflies, birds, and other wildlife. Each meadow is part of the "PatchWork" of pollinator corridors through urban and suburban areas (of the greater Buncombe county area). Native plants used in our installations are grown in deep cell, landscape plug trays at PatchWork Meadows Greenhouse, making installations practical and economical.
- Contact: Emily Sampson, [emily@patchworkmeadows.com](mailto:emily@patchworkmeadows.com) or 828-545-6826

#### Randy Burroughs

- Services: consulting for habitat gardens and meadows; growing locally native grasses
- Description: Retired landscape architect/ horticulturist.
- Contact: Randy Burroughs, [RGBurroughs@main.nc.us](mailto:RGBurroughs@main.nc.us)

#### Raymond's Landscaping, LLC

- Services: Landscape Architecture and Design, Plant Installation, Grading, Custom Water Features, Retaining Walls, Irrigation, Hardscapes, Patios, Fire Pits, Accent Lighting
- Raymond's Landscaping prides itself on being family and customer oriented since its founding in 1993. We use 60% of the plants we grow at Raymond's Garden Center in our landscape designs. What we don't grow, we source from local nurseries in the area. From landscaping design and advanced water features to plant installation, including seasonal color, we're here to help you make all of your outdoor design dreams come true!
- Contact: 828-696-8000 or [request a quote online](#).

#### Sitework Studios Landscape Architecture & Design

- Services: Wide array of services, including land-use planning and master planning, public presentation and input, horticulture, fine garden design, construction documents, project management, and problem solving.
- Description: All of our practice areas are approached with a focus and adherence to sustainability whether institutional, mixed use, public space, planning or garden.
- Contact: Amy Fahmy, PLA, Landscape Architect. [info@siteworksstudios.com](mailto:info@siteworksstudios.com), 828-225-4945

### Spriggly's Beescaping

- Services: design, installation, and maintenance
- Description: Native habitat restoration and pollinator garden design, with a focus on areas disturbed by human development.
- Contact: Brannen Basham, [Brannen@Sprigglys.com](mailto:Brannen@Sprigglys.com), Jill Jacobs, [Jill@Sprigglys.com](mailto:Jill@Sprigglys.com). (484) 888-1180

### Terri Long Landscape Design, Inc.

- Services: residential landscape design and installation coordination
- Description: Terri Long Landscape Design specializes in naturally inspired gardens incorporating native plants. Her passion is to not only enhance people's connection to plants and the outdoors but also provide habitats for birds, butterflies, bees, and other beneficial insects.
- Contact: Terri Long, [info@terrilongdesign.com](mailto:info@terrilongdesign.com), 828.299.2399

### TTK Design

- Services: Design/Build Landscape Architecture
- I work hand-in-hand with many of my suppliers to suggest growing plants that are native and pollinator friendly and would improve our overall ecosystem and environment here in Western North Carolina. I encourage and educate all of my clients on the virtues of native plants for pollinators and creating habitats to encourage pollinators. Designed many pollinator friendly gardens through WNC and recently the demonstration pollinator gardens planted at the bee mural site (Azalea Parking Lot) in downtown Hendersonville.
- Contact: Tricia King, 802-338-2906, [ttkdesignstudio@gmail.com](mailto:ttkdesignstudio@gmail.com)

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