Master Gardener Volunteer Day of Education Speakers February 1, 2020

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This April Ohio will celebrate its first, official Ohio Native Plant Month!

On July 18, 2019, Ohio Governor Mike DeWine signed House Bill 59 of the 133 General Assembly into law, making Ohio one of the first states in the country to have an entire month dedicated to

our native plants!



Seated: Ohio Governor Mike DeWine; Standing from left to right: Ben James, Legislative Aide for Representative Scott Wiggam, Representative Scott Wiggam (lead sponsor of this legislation), Ohio Lieutenant Governor Jon Husted, Senator Bob Hackett, Former First Lady of Ohio, Hope Taft, and Horticulturist, Nancy Linz. Photo provided courtesy of the office of Governor Mike DeWine.

House Bill 59: "The month of April is designated as 'Ohio Native Plant Month' to increase public awareness of Ohio's native plants and the many benefits they provide to pollinators, Ohio's economy, and the health of Ohio's environment."

We Need Your Help!

First, we need your help spreading the word that Ohio now has a Native Plant Month. Please forward this flyer and share the news with family, friends, neighbors, co-workers, clubs and organizations across Ohio.

Second, this April please consider planting a native tree in your yard or community, plant one small plant or an entire garden to support native bees, butterflies, and other pollinators, participate in a wildflower walk to enjoy our wonderful spring ephemerals, replace a small lawn area with beneficial native plants, or remove invasive plants from your yard to provide a natural habitat for native plants to thrive.

Once you decide what you are going to do in April, PLEASE let us know! Visit our new website to learn more about the benefits of Ohio's Native Plants and tell us what you are planning for April 2020: www.ohioNativePlantMonth.org

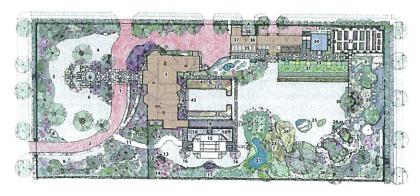


The Ohio Governor's Residence and Heritage Garden

358 N. Parkview Avenue Bexley, Ohio 43209

The idea of the Heritage Garden was first conceived in 2000 as a way to showcase Ohio's natural history and environment to the thousands of yearly visitors to the Ohio Governor's Residence.

Hope Taft, who during that time was Ohio's first lady, and a small team of volunteers worked with a landscape architect and a garden designer to develop a master plan to incorporate the five physiographic regions of the state into the landscape surrounding the Governor's Residence. Construction of the Heritage Garden began in the spring of 2001 with the help of many hands, including: master gardeners, several state departments, arboreta, nurseries, universities, garden clubs, and others. Today, the AIA award-winning garden is landscaped with native plants to appear as if they are growing in their natural habitat. Referred in legislation as Ohio's state botanical garden of native plants, the garden is an affiliate of the Lady Bird Johnson Wildflower Center in Austin, Texas.



The front fence line along the west side of the grounds is home to the First Lady's Perennial Garden, featuring native plants and their cultivars. An old white pine in the front yard is the basis of a Woodland Wildflower Garden that represents what much of Ohio looked like when early settlers first arrived. The Meadow Garden is planted in a formal English border garden design. A formal Water Garden frames the patio on the south side of the house and showcases native wetland and water plants.

In the back yard, the Prairie Garden, with plants representing those that once covered two-thirds of the state, fills a space by the greenhouse. The Sand Dune holds plants from the shores of Lake Erie and tells a story of how this habitat came into Ohio with the rise and fall of the state's northern coast under glacial pressure. A Cranberry Bog mimics the kettle lakes dug by the retreating ice. Glaciated and Un-glaciated Ohio are featured in the Appalachian Garden, which hosts many plants brought to the state by an ancient river. Vines, native along the Ohio River, cling to the house walls. In the rear of the property, the Vegetable Garden highlights the importance of agriculture to the state while the Medicinal Garden, surrounding a clone from an original Johnny Appleseed tree, features plants used by Native Americans and early settlers to treat ailments.

Docent-guided, one-hour tours of the Ohio Governor's Residence and Heritage Garden are offered on most Tuesdays at 10:30 a.m., noon, and 1:30 p.m. Tours can be scheduled by calling 614-644-7644 or online at www. governors residence ohio gov. Volunteer to help maintain the garden on the 2nd and 4th Wednesday, May-Oct. Email ohiohoper@yahoo.com for more information.

Native Plants of Ohio)				Compile	ed by Hope Tafi	and Debra Knapke - 1/2020; resources-see last page
common name	Scientific name	family	bloom time	growing conditions/habitat	flower colo	r Heritage Garden	pollinators & likely pollinators
woody plants (including vine			2.00	growing container and		site	pointatoro wintery pointatoro
American cranberry ♥	Vaccinium macrocarpon	heath [Ericaceae]	may-june	bogs - acidic conditions required	pink	bog	bees: bumble (buzz pollination; most effective) leaf-cutter, honey
blackberry ▼	Rubus allegheniensis	rose [Rosaceae]	may-july	woods: edges, fields	white	Appalachian	LOTS: long- & short-tongued bees:honey, bumble, little carpenter, mason, green metallics, & andrenid; wasps, sm. to med. butterflies, skippers
black chokeberry ▼	Aronia melanocarpa	rose [Rosaceae]	may	low woods, swamps, bogs & moist thickets; occasionally in	white	bog	can self-pollinate; ?? small bees; "mason & andrenid spp. bees are common visitors of spring-blooming shrubs in the Rose family"
bladd	Staphylea trifolia	bladday ut (Ctanbulaceaea)	onel moss	dry upland woods: mesic to moist floodplain, riverbanks, & thickets	Lubita	voja enudas basda	bees: honey, bumble, halictid, andrenid; flies: syrphid, dance, & giant bee fly
bladdernut ♥ blueberry, highbush ♥	Vaccinium corymbosum	bladdernut [Staphyleaceae] heath [Ericaceae]	april-may may-june	forested bogs, lake & stream borders, & sandy swamps	white white	Tain garden borde	bees: bumble, andrenid, & honey
buttonbush ♥	Cephalanthus occidentalis	madder [Rubiaceae]	june-aug	streamsides, pond lake edges, floodplains	white	dogwood glade,	bees: honey, bumble, cuckoo, long-horned, leaf-cutting, green metallic; variou
						bog	wasps; files: thick-headed, syrphid; butterflies, & skippers; ruby-throated hummingbird
elderberry ♥	Sambucus canadensis	honeysuckle [Caprifoliaceae]	june-july	woods: edges, pond/stream edges, swamps, soils: wet	white	meadow, medicina	?? bees: honey, little carpenter, halictid; flies: syrphid, bee, muscid, etc.; beetles: long-horned, tumbling flower, etc.
meadowsweet ♥	Spiraea alba var. latifolia (?? syn.Spiraea latifolia)	rose [Rosaceae]	june-sept	woods: moist, fields/old meadows, soil: rocky (under powerlines)	pnk-red	sedge meadow	bees: bumble, & others; wasps; adult long-horned beetles; & Virginia ctenucha moth
mountain laurel	Kalmia latifolia	heath [Ericaceae]	may-june	woods: oak-hemlock, soil: rocky-sandy, acid soil	pnk-red	Appalachian	bees: bumble & other insects; pollen is spring-loaded; flower will self-pollinate if not insect-pollinated
pasture rose ♥	Rosa carolina	rose [Rosaceae]	june-july	woods: open,pastures, soil: dry-rocky-sandy	pnk-red	blue grass region	1st - long-tongued bees: bumble, anthophorine, & digger. 2nd - green metallic bees, syrphid flies, & various beetles
pawpaw ♥	Asimina triloba	custard-apple [Annonaceae]	april	woods: well-drained, deep, fertile bottom-land & upland habitat	purple	Appalachian woodland	flies: flesh, blow, & others; ?? carrion beetles, too. petals & scent resemble rotting carrion.
poison ivy	Toxicodendron radicans	sumac [Anacardiaceae]	may-june	woods: rich, streambanks, fencerows, disturbed areas	grn-brwn		?? small bees & flies
prairie rose ♥	Rosa setigera			woods: open, thickets: wet, roadsides	pnk-red	herb garden walls	1st - bees: honey, bumble, anthophorine, miner, large leaf-cutting bees, & halictine; 2nd - syrphid flies
red chokeberry ♥	Aronia arbutifolia	rose [Rosaceae]	april	thickets: wet & dry, hillsides: dry/wet, swampy areas	white		can self-pollinate; ?? small bees; "mason & Andrena spp. bees are common visitors of spring-blooming shrubs in the Rose family"
spicebush ♥	Lindera benzoin	laurel [Lauraceae]	april	woods: moist bottomlands, ravines, valleys, & streamsides	yel	blackhand outcrop	small bees & flies; flowers are perfect or dioecious, need at least 2 plants
spotted wintergreen ♥	Chimaphila maculata	pyrofa [Pyrolaceae]	june-aug	woods: dry-conifers-oaks, soil: sandy, acid soil	white		cross-pollinated 1st - bumblebees, then honeybees
strawberry bush; hearts a-bustin	Euonymus americanus	spindle tree [Celastraceae]	may-june	woods: slopes, moist understory, low sandy woods, ravines & streambanks	grn/yel; fruit RED	Appalachian	7? not well-documented: bees suggested "mason & &rena spp. bees are common visitors of spring-blooming shrubs in the Rose family"
steepiebush	Spiraea tomentosa	rose [Rosaceae]	july-sept	thickets: wet, sandy, prairies: wet, sandy, sandy marshes & bogs	pink	ponds, sedge meadow	bees, flies, and beetles& rare Karner Blue butterfly; produces a lot of pollen, small amount of nectar
swamp rose ♥	Rosa palustris	rose [Rosaceae]	june-aug	lake shores, swamps/marshes, soil: wet	pnk-red	fen	1st - bumblebees & other long-tongued bees. 2nd - halictid bees, syrphid flies, tumbling flower beetles, & other beetles. No nectar, only pollen
trailing arbutus	Epigaea repens	heath [Ericaceae]	march-may	woods: dry-rocky, (evergreen), acid soil	pnk-red		bumblebees
trumpet creeper	Campsis radicans	bignonia [Bignoniaceae]	july-sept	woods: moist, thickets, roadsides - very vigorous grower!!	pnk-red	pergola, bluegrass region	1st - ruby-throated Hummingbird & sphinx moths. 2nd - Baltimore &, Orchard Orioles: bees: bumble, honey. 3rd - halictid bees; ants; flies
trumpet honeysuckle ♥	Lonicera sempervirens	honeysuckle [Caprifoliaceae]	may-july	woods: edges, thickets, roadsides	pnk-red	Allegheny	cross-pollinated by the ruby-throated hummingbird
virgin's-bower	Clematis virginiana	buttercup [Ranunculaceae]	july-sept	thickets: moist, streambanks, floodplains: moist - very vigorous grower!!	white	pergola, bluegrass region	staminate flowers attracts halictid bees, wasps, & various flies. No information for pistillate flowers
herbaceous plants					<u> </u>		
American columbo ♥(syn. Swertia)	Frasera caroliniensis	gentian [Gentianaceae]	june-july	woods: dry-open, meadows, roadside banks	grn-brwn	cedar glade	long-tongued bees: honey, bumble, etc.
American ginseng V	Panax quinquefolius			woods: rich soild - difficult to establish	grn-brwn		?? small bees & various flies visit the flowers for nectar or pollen
arrow-leaved aster (syn. Aster)		<u> </u>	aug-oct	woods, streambanks	bi-pur	woodland	long-tongued & short-tongued bees; flies: syrphid & bee; wasps; occasional butterflies or skippers
ashy sunflower ♥	Helianthus mollis	aster [Asteraceae]	july-sept	woods: open, prairie fields, soils: dry, hi quality habitat	yel-org	prairie	bees: bumble, miner, large leaf-cutting, cuckoo, green metallic, other halictids; bee flies & butterflies
biennial gaura ♥	Gaura biennis	evening-primrose [Onagraceae]	june-oct	fields, meadows, roadsides, gravelly embankments	white		long-tongued bees (espec. bumble) & nectar-seeking moths
black-eyed Susan ♥	Rudbeckia hirta	aster [Asteraceae]	june-oct	fields: dry, roadsides	yel-org	cedar glade	wide range: bees & flies; some wasps, butterflies, & beetles
blazing-star ♥	Liatris spicata	aster [Asteraceae]	july-sept	prairies: wet, remnants	pnk-red	prairie,fen	bees; bumble, long-horned, leaf-cutting; butterflies, & skippers
bloodroot ♥	Sanguinaria canadensis	poppy [Papaveraceae]	march-may	woods: rich	white	woodland	bees: honey, bumble, little carpenter, halictid, & &renid

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blue cohosh ♥	Caulophyllum thalictroides	barberry [Berberidaceae]	april-may	woods: rich-moist, mixed hardwoods	grn-brwn	woodland, medicinal	bees: small halictid & bumble; flies: syrphid, tachinid etc.; parasitoid wasps
blue vervain ▼	Verbena hastata	vervain [Verbenaceae]	july-sept	stream , lake edges, fields: wet, ditches, disturbed wet areas	bl-pur	sedge meadow	long-tongued & short-tongued bees; wasps; flies; small butterflies, skippers, & moths
blue-eyed grass ♥	Sisryinchium angustifolium	iris [Iridaceae]	may-july	woods: open, meadows: wet, roadsides	bl-pur	cedar glade	bees: halictid & green metallic bees, less freq. bumble; bee & syrphid flies feed on pollen or suck nectar
blue-eyed Mary ▼	Collinsia verna	snapdragon [Scrophulariaceae]	april-june	woods: rich-low, streamsides: open, floodplains: wooded	bl-pur	woodland	1st - bees: honey, bumble,& little carpenter, long-horned, & mason; 2nd - dance flies, giant bee fly, butterflies, & skippers
blue-stemmed goldenrod ♥	Solidago caesia	aster [Asteraceae]	aug-oct	wood: rich-open, thickets,	yel-org	Appalachian	short-tongued bees, wasps, & flies
bluets, Quaker ladies ♥	Houstonia caerulea	madder [Rubiaceae]	april-june	woods: edges, fields: grassy, roadsides, soil-poor	bl-pur	alvar	bees: little carpenter, green metallic & other halictids; bee flies, & small butterflies
boneset ♥	Eupatorium perfoliatum	aster [Asteraceae]	july-oct	streambanks: wet, swamps, low areas	white	sedge meadow, fen	bees, flies, wasps, butterflies, & beetles; many unusual flies & wasps visit due to very accessible nectar
bottle gentian ♥	Gentiana andrewsii	gentian [Gentianaceae]	aug-oct	swamps-bogs, meadows: wet	bl-pur	sedge meadow	bumble primary pollinators: can force past the closed corolla
bur-cucumber	Sicyos angulatus	gourd [Cucurbitaceae]	aug-sept	thickets: wet, river banks, floodplains, disturbed areas-moist	grn-brwn	Appalachian	long-tongued bees-honey & bumble- sphecid & vespid wasps, & various flies.
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butterfly-weed ♥	Asclepias tuberosa	milkweed [Asclepiadaceae]	june-sept	fields: dry, roadsides, hillsides	yel-org	oak openings	honey, digger, leaf-cutting, & halictid bees; thread-waisted wasps & sphecid wasps, & butterflies: fritillaries, swallowtails & monarch; ruby-throated hummingbird
calico aster (syn. Aster) ♥	Symphyotrichum lateriflorum	aster [Asteraceae]	aug-oct	woods: open, thickets, fields	white		short-tongued bees, wasps, & flies; less common: long-tongued bees, small butterflies, skippers, beetles, & plant bugs
Canada anemone	Anemone canadensis	buttercup [Ranunculaceae]	may-july	woods: damp-open, shore: sandy, meadows: wet	white	prairie, meadow	small bees: andrenid, halictid collect pollen & syrphid flies eat it
American germander ♥	Teucrium canadense	mint [Lamiaceae]	june-aug	stream margins, marshes, ditches: wet, low wet areas	pnk-red		long-tongued bees-most important; other bees: bumble, honey, anthophorine, cuckoo, miner, & leaf-cutting
Canada goldenrod	Solidago canadensis	aster [Asteraceae]	aug-sept	thickets, fields, roadsides	yel-org		long-tongued & short-tongued bees, wasps, flies, beetles; butterflies & moths
Canada lily ▼	Lilium canadense	lify [Lifiaceae]	june-aug	streamsides, swamps, meadows: moist	yel-org		large butterflies: great spangled fritillary & swallowtail butterflies
Canadian burnet ♥	Sanguisorba canadensis	rose [Rosaceae]	july-oct	swamps-bogs, meadows: wet	white	fen	?? little known: bees (e.g. honeybee) & probably other insects
cardinal flower ▼	Lobelia cardinalis	bellflower [Campanulaceae]	july-sept	streambanks, swamps-marshes, ditches: wet, soil: wet	pnk-red		ruby-throated hummingbird; swallowtail butterflies: black, spicebush, & pipevine; sometimes larger bumble
celandine-poppy ♥	Stylophorum diphyllum	poppy [Papaveraceae]	march-may	woods: rich-moist, floodplains: wooded, cliffs: moist	yel-org	woodl&	?? little known; flowers provide only pollen: poss. metallic wood-boring beetles various bees & flies
clammy ground-cherry	Physalis heterophylla	nightshade [Solanaceae]	june-sept	woods: edges, fields-pastures, roadsides, disturbed areas	yel-org		short-tongued bees: plasterer; some halictid & panurginus
common blue violet ♥	Viola sororia	violet [Violaceae]	march-june	woods: moist-open, floodplains: wooded, fields-lawns, slopes: wooded, disturbed grassy areas	bi-pur	woodland, dogwood glade	not often visited by insects (cleistogamous flowers); sometimes attract bees, skippers, & other insects
common cattail	Typha latifolia	cattail [Typhaceae]	may-july	lake shore/pond edges, marshes, ditches; wet	grn-brwn	pond	wind pollinated
common arrowhead ▼	Sagittaria latifolia		july-sept	streams, slow moving pond/lake, swamps: shallow water	white	ponds	bees: honey, bumble, halictid bees; wasps; flies: syrphid, tachinid; butterflies, skippers, & beetles
common cinquefoil 🔻	Potentilla simplex	rose [Rosaceae]	april-june	woods: dry, fields	yel-org	headlands sanddune	small bees: mason, small carpenter, nomadine cuckoo, halictid; &flies: syrphid tachinid, blow, etc.; few wasps, skippers, & butterflies
common evening-primrose	Oenothera biennis	evening-primrose [Onagraceae]	july-oct	fields: dry-open, roadsides, disturbed areas	yel-org	meadow	moths, espec. sphinx. 2nd - ruby-throated hummingbird, bees: honey, bumble, primrose miner
common milkweed ♥	Asclepias syriaca	milkweed [Asclepiadaceae]	june-aug	riverbanks, fields: open, roadsides, disturbed areas	pnk-red	prairie, Appalachian	larger butterflies (monarch), predatory wasps, & long-tongued bees most likely pollinators; others: short-tongued bees, milkweed plant bugs, & moths (sphinx moths)
common ragweed	Ambrosia artemisiifolia	aster [Asteraceae]	aug-oct	fields, roadsides, disturbed areas, soils: dry	grn-brwn		primarily wind-pollinated, but honey have collected pollen
common sneezeweed; Helen's	Hellenium autumnale	aster [Asteraceae]	aug-oct	streambanks, swamps, meadows: wet	yel-org		long-tongued bees: honey, bumble, long-horned bees, cuckoo bees, & leaf-
flower ♥			Ť	·			cutting bees; other insects feed on nectar
common sunflower [W-US] ♥	Helianthus annuus	aster [Asteraceae]	july-sept	fields, roadsides, disturbed areas	yel-org		1st - long-tongued bees: honeybee, bumble, digger, & leaf-cutting; others: short-tongued bees: halictid, alkali, andrenid. Some bees are specialists 2nd - bee flies, butterflies, skippers, goldenrod soldier beetle
compass-plant ♥	Silphium laciniatum	aster [Asteraceae]	july-sept	prairie	yel-org	priaire	long-tongued bees are primary pollinators: bumble, miner bees, larger ceaf- cutting bees. 2nd - short-tongued halictine bees & syrphid flies, but are less effective pollinators
crested dwarf iris ♥	Iris cristata	iris [Iridaceae]	april-may	woods: rich, ravines, hillsides: wooded, acid soil	bl-pur	medicinal garden	?? possibly long-tongued bees
crooked-stemmed aster (syn. Aster)	Symphyotrichum prenanthoides		aug-oct	<u> </u>	bl-pur	*	?? native bees, honey bees; less specific information
Culver's root ▼	Veronicastrum virginicum	snapdragon [Scrophulariaceae]	july-oct	woods, thickets, meadows: moist, roadsides	white	prairie, alvar	long-tongued & short-tongued bees: honey, bumble, mason, green metallic, masked; other insects visit for nectar, but do not pollinate
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cup-plant ♥	Silphium perfoliatum	aster [Asteraceae]	july-sept	woods: moist, streambanks, floodplains	yel-org	meadow	1st - long-tongued bees, butterflies, & skippers; some short-tongued bees, wasps, bee flies are occassional pollinators
cut-leaved toothwort ♥	Cardamine concatenata	mustard [Brassicaceae]	april-may	woods rich	white	woodland	1st - long-tongued & short-tongued bees: honey, bumble, mason, cuckoo, halictid, & andrenid. 2nd - early spring butterflies & giant bee fly
daisy fleabane	Erigeron annuus	aster [Asteraceae]	june-oct	fields, roadsides, disturbed areas	white		bees: hallotid, masked; wasps: sphecid & vespid; flies: syrphid, soldier, blow, tachinid, flesh: plant bugs, & misc. beetles
downy false foxglove	Aureolaria virginica	snapdragon [Scrophulariaceae]	june-sept	woods: dry-open, soil: sandy, acid soil	yel-org		1st - bumble. 2nd - ruby-throated hummingbird; bees: long-homed, leaf-cutting, halictid; & symbid flies
downy lobelia	Lobelia puberula	bellflower [Campanulaceae]	july-oct	woods: edges-clearings roadsides	bl-pur		?? small bees
downy wood-mint ♥	Blephilia ciliata	mint [Lamiaceae]	june-july	woods: openings-edges, thickets, fields, roadsides; alkaline soil	bl-pur	cedar glade	long-tongued & short-tongued bees, bee flies, syrphid flies, butterflies, & skippers
downy yellow violet ▼	Viola pubescens	violet [Violaceae]	april-may	woods: moist to dry	yel-org	woodland	1st - bees: mason, little carpenter, anthophorid, halictid, & andrenid; bee flies; small butterflies, & skippers
drawf larkspur ♥	Delphinium tricorne	buttercup [Ranunculaceae]	april-may	woods: rich, alkaline soil	bl-pur		1st - long-tongued bees: bumble, anthophorid, & miner bees; 2nd - ruby- throated hummingbird, glant bee fly, swallowtail butterflies, skippers, & sphinx moths
drooping trillium ▼	Trillium flexipes	lily [Liliaceae]	april-may	woods: rich, alkaline soil	white	woodland	?? probable: gnats & small flies
Dutchman's-breeches ♥	Dicentra cucullaria	poppy [Papaveraceae]	april-may	woods: rich, floodplains, alkaline soil	white	woodland	1st - long-tongued bees: honey, bumble, mason & anthophorid. 2nd - short-tongued & andrenid bees, giant bee fly
dwarf iris ▼	Iris verna	iris [Iridaceae]	april-may	woods: oak-pine, soil: dry-sandy, acid soil	bl-pur	medicinal garden	?? bees; scant information
early meadow-rue ♥	Thalictrum dioicum	buttercup [Ranunculaceae]	april-may	woods moist rich	grn-brwn	fen	wind pollinated
eastern prickly-pear cactus	Opuntia humifusa	cactus [Cactaceae]	june-july	prairie dunes, soil: sandy-rocky	yel-org	oak openings	long-tongued & short-tongued: bumble, large carpenter, digger, leaf-cutting, halictid, & plasterer; larger bees primary cross-pollinators
enchanter's nightshade	Circaea lutetiana	evening-primrose [Onagraceae]	june-aug	woods: rich, floodplains: wooded	white	Appalachian	small bees: halictid & little carpenter; syrphid & bee flies
false rue anemone (syn. lsopyrum)	Enemion biternatum	buttercup (Ranunculaceae)	april-may	woods: rich, thickets, alkaline soil	white		?? flowers attract medium- to small-sized bees & flies primarily; the bees collect pollen, the flies feed on pollen.
field thistle	Cirsium discolor	aster [Asteraceae]	july-oct	woods: edges, fields, disturbed areas	bl-pur	sedge meadow	1st: bees: bumble, digger, leaf-cutting. 2nd - butterflies: monarchs, fritillaries, painted ladies, swallowtails, & sulfurs
fire pink ♥	Silene virginica	pink [Caryophyllaceae]	may-june	woods: slopes-rich, banks: rocky, hillsides	pnk-red		?? probably: ruby-throated hummingbird & various large butterflies
fireweed (syn. Epilobium)	Chamerion augustifolium	evening-primrose [Onagraceae]	june-aug	fields: open-clearings, roadsides, areas burned over	pnk-red		1st - long-tongued bees: bumble, leafcutting. 2nd - short-tongued bees & syrphid flies
flat-topped goldenrod	Euthamia graminifolia	aster [Asteraceae]	aug-oct	thickets, streambanks, fields: moist, roadsides	yel-org	alvar	LOTS: long-tongued bees, short-tongued bees, wasps, flies, butterflies, moths & beetles
flowering spurge ♥	Euphorbia corollata	spurge [Euphorbiaceae]	june-sept	fields: prairie-openings, roadsides	white	prairie	bees: halictid, masked; wasps: crabronid, paper, five-banded tiphiid, sphecid, cuckoo; flies: syrphid, bee, tachinid, flesh, muscid; small butterflies: Karner blue!
foam flower ♥	Tiarella cordifolia	saxifrage [Saxifragaceae]	april-may	woods: rich	white	woodland	?? bees, butterflies, & syrphid flies; possible moth association
foxglove beardtongue 🔻	Penstemon digitalis	snapdragon [Scrophulariaceae]	may-july	woods: openings, old fiels, roadsides	white	cedar glade	1st - long-tongued bees: honey, bumble, anthophorine, miner, mason, & large leaf-cutting. 2nd - halictid bees, butterflies, sphinx moths, & hummingbirds
fragrant waterlily 🔻	Nymphaea odorata	water-lily [Nymphaeaceae]	june-sept	ponds, water: shallow-quiet	white	ponds	1st - small bees - halictid, some are specialist of waterlilies. 2nd - various flies & beetles
fringed gentian ♥	Gentianopsis crinita	gentian [Gentianaceae]	sept-oct	woods: openings-wet, marshy areas, meadows: moist, slopes: wet-eroding, alkaline soil	bl-pur	alvar, fen	?? 1st - bumblebees; scant information
fringed milkwort	Polygala paucifolia	milkwort [Polygalaceae]	may-june	woods: rich-moist-openingsslopes: rocky	pnk-red		two flowers: one is self-pollinating, other is pollinated by bumblebees; pollen is placed on bumblebee by flower movement
garden phlox ♥	Phlox paniculata	phlox [Polemoniaceae]	july-sept	woods: moist, thickets, stream banks	pnk-red	meadow	butterflies, skippers, & moths: hummingbird & sphinx
giant ragweed	Ambrosia trifida	aster [Asteraceae]	july-oct	floodplains, roadside ditches, disturbed areas: moist	grn-brwn		wind pollinated, but honeybees visit to gather pollen
goatsbeard ♥	Arunus dioicus	rose [Rosaceae]	may-july	woods: rich-moist, ravines, roadside: mois banks-wooded	white	dogwood glade	butterflies; host plant for the dusky azure butterfly
golden Alexanders ♥	Zizia aurea	parsley [Apiaceae]	may-june	woods: moist, thickets, floodplains, swamps	yel-org	prairie, woodland	self-pollinates; long-tongued bees: bumbles, cuckoo & short-tongued bees: green metallic, masked, andrenid; wasps: eumenine, spider, ichneumonid, & crabronine; files; sm. butterflies & beetles
golden ragwort (syn. Senecio) 🔻	Packera aureus	aster [Asteraceae]	april-july	woods: moist, swamps, meadows: wet	yel-org	Appalachian	1st - small bees: little carpenter, cuckoo, & var. halictid; & files: syrphid & tachinid
goldenseal 🕶 endangered	Hydrastis canadensis	buttercup [Ranunculaceae]	april-may	woods: rich-deep, streambaks: shades, slopes: wooded	grn-brwn	woodland	1st - halictid & masked bees; 2nd - syrphid flies & larger bees
gray goldenrod; field goldenrod ♥			aug-oct	woods: dry-open	yel-org	alvar	bees: long-tongued - honey, little carpenter, & short-tongued - halictid, plasterer, & andrenid (oligoleges); sphecid & vespid wasps, flies: syrphid, tachinid, flesh, blow, & muscid; butterflies, moths, & beetles
gray-headed coneflower 🔻	Ratibida pinnata	aster [Asteraceae]	july-oct	woods: edges, prairie/prairie remnants, roadsides, alkaline soil	yel-org	prairie	1st - bees: Epeoline cuckoo, large leaf-cutting, green metallic, & other Halictine 2nd - wasps, flies, small butterflies, & beetles

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great blue lobelia ♥	Lobelia siphilitica	bellflower [Campanulaceae]	july-oct	woods: wet, streambanks, roadsides, ditches: wet, low-damp areas	bi-pur	dogwood glade, sedge meadow	1st - bumble & other long-tongued bees. 2nd - ruby-throated hummingbird & large butterflies
green dragon ♥	Arisaema dracontium	arum [Araceae]	may-june	woods: rich-moist-low, streambanks	grn-brwn	woodland	simple flies (Nematocera), particularly fungus gnats
green-headed coneflower ▼	Rudbeckia laciniata	aster [Asteraceae]	july-sept	streambanks, floodplains, soils: rich-moist	yel-org	prairie	long-tongued & short-tongued bees, predatory wasps, butterflies, skippers, moths, & various flies
hairy beardstongue ♥	Penstemon hirsutus	snapdragon [Scrophulariaceae]	may-july	woods: dry, fields, roadside banks	bl-pur	dolomite	1st - bees: long-tongued - honey, bumble, anthophoridae, mason, & short-tongued - halictid. 2nd - wasps, flies, butterflies
hairy puccoon ♥	Lithospermum caroliniense	borage [boraginaceae]	may-june	woods: dry, soil: sandy-open areas	yel-org	cedar glade	butterflies & skippers (e.g. Karner blue & Hobomok skipper)
harbinger-of-spring	Erigenia bulbosa	parsley [Apiaceae]	march-april	woods: open, floodplains: wooded, slopes	white	woodland	primarily small to medsize bees, misc. flies
heart-leaved aster; blue wood aster (syn. Aster) ▼	Symphyotrichum cordifolius	aster [Asteraceae]	aug-oct	woods: dry, thickets, clearings	bl-pur	woodland	long-tongued & short-tongued bees, wasps, flies, butterflies, skippers, & beetles
heath aster; frost aster one of last plants blooming in the fall (syn. Aster) *	Symphyotrichum pilosum	aster [Asteraceae]	aug-oct	fields: dry-old-open, roadsides, disturbed areas	white	woodland	1st - bees: honey, bumble, little carpenter, cuckoo, long-horned, leaf-cutting, halictid, plasterer, andrenid (some oligoleges) 2nd - wasps: sphecid, vespid, ichneumonid, braconid; flies: syrphid, bee, thick-headed, tachinid, flesh, blow, muscid, sm/med butterflies, skippers, moths, & beetles
hedge bindweed	Calystegia sepium	morning-glory [Convolvulaceae]		riverbanks, fields, roadsides, disturbed areas, beaches	white	prairie	1st - long-tongued bees: bumble, little carpenter bees, & oligolectic mallow, squash & gourd, & morning glory bees. 2nd - sphinx moths
hispid buttercup ▼	Ranunculus hispidus	buttercup [Ranunculaceae]	march-may	woods: moist, thickets, streambanks, floodplains	yel-org	Allegheny	?? bees & flies
hoary tick-trefoil ▼	Desmodium canescens	pea [Fabaceae]	july-sept	woods: open, thickets, fields: dry, hillsides: dry	pnk-red	oak openings	?? long-tongued bees; pollen only
horse-nettle	Solanum carolinense		may-sept	streambanks, fields: dry, roadsides, disturbed areas	white	Appalachian	1st- bumblebees collect pollen, pollinate via buzz pollination
Indian cucumber-root ▼	Medeola virginiana	lily [Liliaceae]	may-june	woods: rich-moist, soil: swampy-deep-loose, slight acid soil	grn-brwn		?? Guessing here: flies & beetles like close relative trillium
Indian hemp	Apocynum cannabinum	dogbane [Apocynaceae]	june-sept	woods: edges-moist, thickets: moist, ponds/stream edges, fields: moist	white		1st - bees : cuckoo, halictid, plasterer, masked. 2nd - sphecid wasps; flies: syrphids, bees, tachinids, calliphorids; butterflies, skippers, & beetles
Indian pipe parasitic	Monotropa uniflora	indian pipe [Monotropaceae]	june-aug	woods: rich	white		bumblebees
Indian tobacco	Lobelia inflata	bellflower [Campanulaceae]	june-sept	woods: open-edges, thickets, fields, disturbed areas	bl-pur	Lloyd herb	smail bees, mainly halictid bees
Jack-in-the-pulpit ♥	Arisaema triphyllum	arum [Araceae]	april-june	woods: rich-moist	grn-brwn	Appalachian, woodland	fungus gnats & the larvae of parasitic thrips
Jacob's ladder ♥	Polemonium reptans	phlox [Polemoniaceae]	april-june	woods: moist, floodplains: wooded	bl-pur	woodland	1st - bees: honey, bumble, little carpenter, mason, cuckoo bees, halictid, & andrenid bees (<i>Andrena polemonii</i> is oligolege). 2nd - giant bee fly, butterflies, skippers, & moths
Jerusalem articoke	Helianthus tuberosus	aster [Asteraceae]	aug-oct	fence rows, streambanks, fields: moist, roadsides, soil: moist	yel-org		1st - bees: bumble, cuckoo, digger, leaf-cutting, halictid -oligoleges: digger bee & some andrenid sps, a dagger sps, & a halictid. 2nd - flies: syrphid & bee; sm-med butterflies, wasps, & beetles
Joe-Pye weed (syn. Eupatorium) ▼	Eutrochium fistulosum	aster [Asteraceae]	july-sept	thickets: wet, streamsides, floodplains, meadows: moist	pnk-red	meadow, Allegheny	1st - long-tongued bees: honey, bumbles, etc.; bee flies; butterflies, skippers, & moths
Kalm's lobelia ♥	Lobelia kalmii	beliflower [Campanulaceae]	july-sept	bogs/fens, cliffs: wet, alkaline soil	bl-pur		?? various bees & small butterflies
kidney-leaf buttercup	Ranunculus abortivus	buttercup [Ranunculaceae]	april-aug	woods; soils: moist	yel-org		ladybird beetles, small bees, syrphid flies best? bees?
lakeside daisy ▼ (specific cultural needs)	Tetraneuris herbacea	aster [Asteraceae]	may-june	soils: rocky-flat, alkaline soil	yel-org	alvar	bees: bumble, small carpenter, halictid; flies, beetles, butterflies, & skippers. Cross-pollination required
large twayblade	Liparis liliifolia	orchid [Orchidacae]	may-july	woods: rich-pine, thickets, streams: mossy banks	grn-brwn		?? little known; poss. flesh flies because of flower color
large-flowered bellwort ♥	Uvularia grandiflora	lily [Liliaceae]	april-june	woods: rich, alkaline soil	yel-org	woodland	bees: bumble, mason, halictid, & &renid
large-flowered trillium ♥	Trillium grandiflorum	lily [Liliaceae]	april-may	woods: rich	white	woodland	?? insects rarely visit flowers: little carpenter bee observed visiting
large-leaved waterleaf ♥	Hydrophyllum macrophyllum	waterleaf [Hydrophyllaceae]	may-june	woods: rich, thickets, floodplains: wooded	white	woodland	1st - bees: honey, bumble, mason, digger, andrenid (Andrena geranii is oligilege), & halictid. 2nd - flies: syrphid & dance; butterflies, & skippers
lizard's-tail	Saururus cernuus	lizard's tail [Saururaccae]	june-aug	stream; edges, ponds; shallow, swamps/marshes	white	ponds	1st - wind pollination ?? 2nd - beetles, flies
lopseed	Phryma leptostachya	vervain [Verbenaceae]	july-aug	woods: rich moist, thickets	bl-pur		occassional - bees: little carpenter & green metallic
marsh marigold ♥	Caltha palustris	buttercup [Ranunculaceae]	april-june	streamsides, swamps/marshes, soils: wet	yel-org		bees: honey, halictid; flies: giant bee, syrphid ?? & others
mayapple ♥	Podophyllum peltatum		april-june	woods: rich, openings	white	woodland	long-tongued bees; bumblebees & others, not specified
	Phacelia purshii	waterleaf [Hydrophyllaceae]	april-june		bl-pur	woodland	native bees: andrenid, mason (Hoplitis sp. Is oligolege); honeybees
Michigan lily ♥	Lilium michiganense		june-july	woods: edges-moist, streambanks, meadows: wet, roadside: ditches			Cross-pollination required. ?? hummingbirds; moth: sphinx, hummingbird, & butterflies: monarch, great spangled fritillary, & spicebush swallowtail
mist-flower ♥	Conoclinium coelestinum (syn. Eupatorium)		july-oct	woods: edges, thickets, streambanks, field: edges	bl-pur	meadow	1st - long-tongued bees, butterflies, & skippers. 2nd - short-tongued bees, flies, moths, & beetles
	Mitella diphylla	saxifrage [Saxifragaceae]	april-may	woods: rich	white	woodland	small short-tongued bees: halictid & little carpenter; syrphid flies
narrow-leaved mountain-mint •	Pycnanthemum tenuifolium		july-sept	woods: openings, fields: dry, roadside banks	white	sedge meadow	long-tongued bees, short-tongued bees; wasps; flies; butterflies & skippers; beetles; & plant bugs
New England aster (syn. Aster) •	Symphyotrichum novae-angliae	aster [Asteraceae]	aug-oct	thickets, swamps, fields	bl-pur	prairie	1st - long-tongued bees: bumble,honey, miner, large leaf-cutting; bee flies, butterflies, & skippers. cross-pollination is required. Short-tongued bees & syrphid flies visit, but are non-pollinating

Address control of Marke companies of printing retreatings, conditions, and companies of printing retreatings, controlled, allow of printing retreatings, controlled, allow of printing retreatings, printing printings, and controlled of printings, an	nodding lady's tresses ♥	Spiranthes cemua	orchid [Orchidacae]	aug-sept	prairies: moist sand, sandy savannas, shrubby bogs,	white		long-tongued & short-tongued bees occasionally visit for nectar
contract that fig. 9 introduced is not a contract that fig. 9 introduced is not a contract that fig. 9 introduced is not a contract that					gravelly seeps, limestone glades, ditches, abandoned fields			
andman frakte fig v	nodding onion ♥	Allium cemuum	lily [Liliaceae]	july-aug	banks: gravel, prairie remnants, roadsides, alkaline soil	pnk-red	I'	bees: honey, bumble, anthophorine, & halictid
debiglier de control particular y Projection of projection of the control of the	northern blue flag ♥	Iris versicolor	iris [Iridaceae]	may-july	swamps/marshes, meadoes: wet	bi-pur		?? long-tongued bees & short-tongued bees; limited information
protection of part of physiopations of physiopations of physiopations of protections of protecti	northern monkshood 🔻 caution: poisonous	Aconitum noveboracense	buttercup [Ranunculaceae]	july-aug	, , , , , , , , , , , , , , , , , , , ,	bl-pur		bumblebees; has protandrous flowers - stamens mature before the pistils are receptive to pollen older to younger flowers; forces cross-pollination
Phile politiceword * Previousation Chrimmists* epidemont (Commellinates) injuries (Commellinates) previous of the comment of t	obedient plant ♥	Physostegia virginiana	mint [Lamiaceae]	july-oct		pnk-red	meadow	1st - bumblebees, 2nd - long-tongued bees &ruby-throated hummingbird
sweeper of Y Monrad dilymae very design, finde surflower re yet design, finde surflower re	Ohio spiderwort ♥	Tradescantia ohiensis	spiderwort [Commelinaceae]	· · · · · · · · · · · · · · · · · · ·	thickets: wet, meadows; wet, roadsides	+		
interpretation of the state of the control of the state o	oswego tea ♥	Monarda didyma	mint [Lamiaceae]		woods: open-wet, thickets, streambanks edges, ditches: wet	pnk-red		hummingbirds, swallowfail butterflies, & probably bumblebees
artificipe pers y Michella repurs (Chemocartista fouccidad pers Enter, Eurilia, Englanding Joseph Jo	ox-eye daisy, false sunflower ♥		aster [Asteraceae]	july-sept	woods: open, streambanks, floodplains, prairie, soil: moist	yel-org	prairie/meadow	halictid, andrenid; thread-waisted wasp, etc.; flies: syrphid, bee; goldenrod
mittige-berry	pale touch-me-not ▼	Impatiens pallida	touch-me-not [Balaminaceae]	june-sept		yel-org	woodland	1st - bumblebees & ruby-throated hummingbird
cition philiadelphiliaus Enigeron philiadelphiliaus Enigeron philiadelphiliaus Enigeron philiadelphiliaus Partidedria cordatio pickenweed [Pontederiaceae] june-oct pindishallow water, awamps/marshes pi-pur ponds Burnelocta discordine destruction discordine pickenweed [Pontederiaceae] june-oct pondishallow water, awamps/marshes pi-pur ponds Burnelocta discordine destruction discordine pickenweed [Pontederiaceae] june-oct pondishallow water, awamps/marshes pi-pur ponds Burnelocta discordine pickenweed [Pontederiaceae]	partridge pea (syn. Cassia) ♥		pea [Fabaceae]	july-sept	fields: old, roadsides, soil: sandy	yel-org	prairie, cedar glad	
ciscretived w Portoderia condata pickenweed [Portederiaceaee] june-oct barrywards, maddisde, disfutched areas, notil wet intensity. Beginner condata and a sterial filters, betters, a plant barrywards, maddisde, disfutched areas, notil wet intensity. Beginner condata and intensity of the condition of the conditi	partridge-berry ♥	Mitchella repens	madder [Rubiaceae]	june-july	woods, acid soil (subshrub)	white		
ince piple-weed (W-US) Metricaria discocises aster (Asternaceae) une-oct barnyards, roadside, disturbed areas, soit wet vel-org control (Optrioedium acude orchid (Optrioedium orchid (Optrioedium) orchid (Optrioedium acude orchid (Optrioedium acude orchid (Optrioedium orchid (Optrioedium) orchid (Optrioedium) orchid (Optrioedium orchid (Optrioedium) orchid (Optrioedium) orchid (Optrioedium orchid (Optrioedium) orch	Philadelphia fleabane	Erigeron philadelphicus	aster [Asteraceae]	april-aug	woods: open,fields, roadsides	white		cuckoo), masked, andrenid; eumenine wasps; flies: syrphid flies, thick-headed, tachinid, flesh; butterflies, skippers; beetles; & plant bugs
ink lady's-slipper Cypripedium acaule Orchid Circhidaceae] Orchid Circhidaceaee] Orchid Circhidaceaeee] Orchid Circhidaceaeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee	pickerelweed ♥	Pontederia cordata	pickerweed [Pontederiaceae]	june-oct	pond/shallow water, swamps/marshes	bl-pur	ponds	Bumblebees & other bees, Melissodes apicata & Doufourea novaeangliae are rare oligolectic bee visitors, 2nd - sulfur butterflies & others
Saracenia purpurea pitcher-plant Saracenia purpurea pokeweed Phytolaccaceae july-sept shickets: damp, fencerows, clearings, roadsides while all over stssymbid files & halled bees. Zeal -waspa & diver lites aug-sept shickets: damp, fencerows, clearings, roadsides while all over stssymbid files & halled bees. Zeal -waspa & diver lites aug-sept priatrie-potality remaints yel-org priatrie, potal glad sts long-dongal bees honey, brushes, arminer, zeal -halled bees. Zeal -waspa & diver lites aug-sept priatrie-potality sts long-dongal bees honey, brushes, arminer, zeal -halled bees, Zeal -waspa & diver lites aug-sept priatrie-potality sts long-dongal data s	pineapple-weed [W-US]	Matricaria discoidea	aster [Asteraceae]	june-oct	barnyards, roadside, disturbed areas, soil: wet	yel-org		?? flower flies (syrphidae)
Saracenia purpurea pitcher-plant Saracenia purpurea pokeweed Phytolaccaceae july-sept shickets: damp, fencerows, clearings, roadsides while all over stssymbid files & halled bees. Zeal -waspa & diver lites aug-sept shickets: damp, fencerows, clearings, roadsides while all over stssymbid files & halled bees. Zeal -waspa & diver lites aug-sept priatrie-potality remaints yel-org priatrie, potal glad sts long-dongal bees honey, brushes, arminer, zeal -halled bees. Zeal -waspa & diver lites aug-sept priatrie-potality sts long-dongal bees honey, brushes, arminer, zeal -halled bees, Zeal -waspa & diver lites aug-sept priatrie-potality sts long-dongal data s	pink lady's-slipper	Cypripedium acaule	orchid [Orchidacae]	may-june	woods: pine-oak, bogs, soil: sandy, acid soil	pnk-red		1st - queen bumblebees, deceptive technique; offers neither pollen or nectar
asier (Asteraceae) aug-sept priaire/prairie remnants yel-org prairie, cedar gladd 1st. long-longued bees: honey, bumble, & miner, zhz - halicidi bees, bee files, uple begarmot v Monarda media mint [Lamiaceae] july-aug woods: moist, thickets, fields, roadsides bi-pur herb loss specific finic bees, butterfiles, & hummighirist, Monarda digoese) urple coneflower v Echinacea purpurea aster (Asteraceae) june-out woods: openings-edges, thickets, prairie remnants, not purple cress v Echinacea purpurea modes: fich-moist, floodplains: wooded, cilifs: moist bi-pur Appalachian 7? bees: honey, mason, andrend, halicid bees, bee files, obterfiles, & skippers woods: robe-moist, floodplains: wooded, cilifs: moist bi-pur Appalachian 7? bees: honey, mason, andrend, halicid bees, bee files, other mice, septime meadows/freides, roadsides bi-pur Appalachian 7? bees: honey, mason, andrend, halicid bees, bee files, other mice, septime meadows/freides, roadsides bi-pur Appalachian 7? bees: honey, mason, andrend, nation beer, salicid bees, bee files, other mice, septime meadows/freides, roadsides bi-pur Appalachian 7? bees: honey, mason, andrend, nation beer, salicid bees, bee files, other mice, septime meadows/freides, roadsides bi-pur Appalachian 7? bees: honey, mason, andrend, nation beer, salicid beer, solid files, other mice, septime files, sub-purpurpurpurpurpurpurpurpurpurpurpurpurp	F	, ,	pitcher-plant [Sarraceniaceae]	may-july	bogs/swamps, soil: low nutrient sphagnum, acidic	pnk-red	bog	
urple bergamot V Monarda media mint (Laniaceae) July-aug woods: moist, thickets, fields, roadsides bt-pur herb loss specific fine beep, butterflies, & hummingbirds. Monarda oligoleges, urple coneflower V Echinacea purpurea aster [Asteraceae] June-oct woods: openings-edges, thickets, prairie remnants, not common in wid woods: Openings-edges, thickets, prairie remnants, not common in wid woods: Openings-edges, thickets, prairie remnants, not common in wid woods: Openings-edges, thickets, prairie remnants, not prairie long-longued & halicitid bees, bee files, butterflies, & skippers urple cress V Cardamine douglassii mustard [Srassicaeae] march-may woods: rich, alkalinia esail bi-pur Appalachian 7? Dees: honey, mason, andrenid, halicid bees, bee files, other misc, early spring files & butterflies aster [Asteraceae] june-sept meadows/fields, roadsides bl-pur small complete aster [Asteraceae] june-sept meadows/fields, roadsides bl-pur small complete aster [Asteraceae] april-may fileds: dry pastures; soil: well-drained white wind-polinated & small bees: halicid, andrenid, cubero, dies: syrphid, musc cally produced to child [Orchidacae] may-june woods: rich grn-brwn 7? bees: a halicid bee species likely, deceptive from onctair pulse-not-the-prairie V Filipendulur purpa rose (Roasceae) june-aug meadows/prairies: moist planta woods: openings-edges, clearings yel-org 7? Limited info; short-ongued bees as possibly other insects with long mouthparts: butternate woods: dearlings with long mouthparts: butternate woods: dearling woods: rich profile prairie; codarialed feel files, carrion beetles, & similar meads and prairies prairies; prairies prairies; roadsides prairies;	pokeweed	Phytolacca americana	pokeweed [Phytolaccaceae]	july-sept	thickets: damp, fencerows, clearings, roadsides	white	all over	1st - syrphid flies & halictid bees. 2nd - wasps & other flies
Dufuirea monarda, Perdita genardi. & Protendrana abdominalis (bees) urple coneflower ▼	prairie-dock ♥	Silphium terebinthinaceum	aster [Asteraceae]	aug-sept	priaire/prairie remnants	yel-org	prairie, cedar glade	
urple cress ▼ Cardamine douglassii mustard [Brassicaceae] march-may woods: rich-moist, floodplains: wooded, cliffs: moist bi-pur Appalachian ?? bees: honey, mason, andrenid, halicid bees; bee flies; other misc. early spring flies & butterflies woods: rich-moist, floodplains: wooded, cliffs: moist bi-pur Appalachian ?? bees: honey, mason, andrenid, halicid bees; bee flies; other misc. early spring flies & butterflies and woods: rich moist in the pure spring flies & butterflies and woods: rich white white wind-pollinated & small bees; halicid, andrenid, cuckoo, & leaf-cutting; & bee flies ussyloes ▼ Antennaria neglecla aster [Asteraceae] june-aug woods: rich grn-brun ?? bees: halicid andrenid, cuckoo, flies: syrphid, musc calliphord, & tachinid; diverse thoughts on actual pollinators white white wind-pollinated & small bees; halicid, andrenid, cuckoo, flies: syrphid, musc calliphord, & tachinid; diverse thoughts on actual pollinators wind-pollinated & small bees; halicid, andrenid, cuckoo, flies: syrphid, musc calliphord, & tachinid; diverse thoughts on actual pollinators wind-pollinated & small bees; halicid, andrenid, cuckoo, flies: syrphid, musc calliphord, & tachinid; diverse thoughts on actual pollinators wind-pollinators w	purple bergamot ♥	Monarda media	mint [Lamiaceae]	july-aug	woods: moist, thickets, fields, roadsides	bl-pur	herb	
urple milkwort Polygala sangulnea Polygala sangulne	purple coneflower 🔻	Echinacea purpurea	aster [Asteraceae]	june-oct		pnk-red	prairie	long-tongued & halictid bees, bee flies, butterflies, & skippers
aster [Asteraceae] april-may fields: dry pastures; soit: well-drained white wind-polinated & small bees: halicid; andranid, cuckor, files; syrphid, musc calliphorid , & tachinid; diverse thoughts on actual polinators actual polinators actual polinators actual polinators and the prairie white prairie with price of the prairie with price of the prairie with price of the prairie woods: rich grid-prairies; moist price of the prairie with price of the prairie of the prai	purple cress ♥	Cardamine douglassii	mustard [Brassicaceae]	march-may	woods: rich-moist, floodplains: wooded, cliffs: moist	pl-bar	Appalachian	?? bees: honey, mason, andrenid, halictid bees; bee flies; other misc. early spring flies & butterflies
utty-root orchid Aplectrum hyemale orchid (Orchidacae) may-june woods: rich grm-brwn 2? bees: a halictid bee species is likely. deceptive technique: no nectar usen-of-the-prairie Filipendula rubra rose [Rosaceae] june-aug meadows/prairies: moist phe-red headland dune Filipendula rubra rose [Rosaceae] june-aug meadows/prairies: moist phe-red headland dune Filipendula rubra rose [Rosaceae] june-aug meadows/prairies: moist phe-red headland dune Filipendula rubra rose [Rosaceae] june-aug meadows/prairies: moist phe-red phe-r	purple milkwort	Polygala sanguinea	milkwort [Polygalaceae]	june-sept	meadows/fields, roadsides	bl-pur		small to med. bees: dagger, long-horned, cuckoo, & leaf-cutting; & bee flies
usen-of-the-prairie ▼ Filipendula rubra rose [Rosaceae] june-aug madows/prairies: moist pattlesnake weed Hieracium venosum aster [Asteraceae] may-sept woods: openings-edges, clearings yel-org prairie openings white prairie, cedar glad long-tongued bees & short-tongued bees wasps, flies, butterflies, skippers, moths, beetles, & plant bugs prairie openings whote prairie, cedar glad long-tongued bees & short-tongued bees & shor	pussytoes ¥	Antennaria neglecta	aster [Asteraceae]	april-may	fields: dry pastures; soil: well-drained	white		wind-pollinated & small bees: halictid, andrenid, cuckoo; flies: syrphid, muscid , calliphorid , & tachinid; diverse thoughts on actual pollinators
usen-of-the-prairie ▼ Filipendula rubra rose [Rosaceae] june-aug madows/prairies: moist pattlesnake weed Hieracium venosum aster [Asteraceae] may-sept woods: openings-edges, clearings yel-org prairie openings white prairie, cedar glad long-tongued bees & short-tongued bees wasps, flies, butterflies, skippers, moths, beetles, & plant bugs prairie openings whote prairie, cedar glad long-tongued bees & short-tongued bees & shor	putty-root orchid	Aplectrum hyemale	orchid [Orchidacae]	may-june	woods: rich	grn-brwn		?? bees: a halictid bee species is likely, deceptive technique; no nectar
artilesnake-master ▼ Eryngium yuccifolium parsley [Apiaceae] july-aug prairie openings white prairie, cedar glad long-tongued bees & short-tongued bees, keypers, moths, beetles, & plant bugs moths, beetles, & plant bugs ped trillium Frillium erectum liliy [Liliaceae] april-may woods: rich pose-pink gentian Frillium erectum liliy [Liliaceae] april-may woods: rich pose-pink gentian Frillium erectum liliy [Liliaceae] april-may woods: rich pose-pink gentian Frillium erectum liliy [Liliaceae] april-may woods: openings, fields: dry-moist, roadsides pnk-red pnk-red pnk-red pnk-red prairie ped visiting flowers pund-leaved sundew pound-leaved sun	queen-of-the-prairie ♥	Filipendula rubra	rose [Rosaceae]	june-aug	meadows/prairies: moist	pnk-red	headland dune	?? no nectar; various bees sps. collect pollen from the flowers
moths, beetles, & plant bugs det trillium ▼ Trillium erectum Filly [Liliaceae] Appalachian Moods: rich Moods: openings, fields: dry-moist, roadsides Moods: openi	rattlesnake weed	Hieracium venosum	aster [Asteraceae]	may-sept	woods: openings-edges, clearings	yel-org		?? Limited info; short-tongued bees
Sabatia angularis gentian [Gentianaceae] july-sept woods: openings, fields: dry-moist, roadsides pnk-red 7? long-tongued bees & possibly other insects with long mouthparts: butterflies & skipers. Observed: little carpenter bee, & large leaf-cutting bee visiting flowers sundew [Droseraceae] june-aug bog/swamps, soil: sphagnum, acid soil! white silene regia pink [Caryophyllaceae] pink [Caryophyllaceae	rattlesnake-master ♥	Eryngium yuccifolium	parsley (Apiaceae)	july-aug	prairie openings	white	prairie, cedar glade	
butterflies & skippers. Observed: little carpenter bee, & large leaf-cutting bee visiting flowers bund-leaved sundew Drosera rotundifolia Sundew [Droseraceae] June-aug Woods: open-dry, prairies, roadsides June-aug Woods: open-dry, prairies, roadsides June-aug June-au	red trillium ♥	Trillium erectum	[fily [Liliaceae]	april-may		pnk-red	Appalachian	?? probably attract flesh flies, carrion beetles, & similar insects
self-pollination, some wind, & some insects - non-specific byal catchfly Silene regia pink [Caryophyllaceae] pink [Caryophyllaceae] pine-aug woods: open-dry, prairies, roadsides pnk-red pnk-red pnk-red prairie larger butterflies: black swallowtail, etc.; & ruby-throated hummingbird march-may woods: rich white woodland no nectar; bees: honey, little carpenter, cuckoo, mason, halictid, & andrenid flies: syrphid & bee sesile trillium Trillium sessile lity [Liliaceae] pnk-red Appalachian Prank odor & color of the petals: beetles & flies that are attracted to rotting flesh; a small weevil has been observed collecting pollen harp-lobed hepatica Hepatica acutiloba buttercup [Ranunculaceae] march-may woods: rich, alkaline soil bl-pur woodland no nectar; 1st - bees: honey, small carpenter, andrenid, & halictid; 2nd - syrph & other flies	rose-pink gentian ♥	Sabatia angularis	gentian [Gentianaceae]	july-sept		pnk-red		butterflies & skippers. Observed: little carpenter bee, & large leaf-cutting bee visiting flowers
by a catchfly ▼ Silene regia pink [Caryophyllaceae] june-aug woods: open-dry, prairies, roadsides pnk-red prairie larger butterflies: black swallowtail, etc.; & ruby-throated hummingbird woods: open-dry, prairies, roadsides pnk-red prairie larger butterflies: black swallowtail, etc.; & ruby-throated hummingbird woods: rich white woodland no nectar; bees: honey, little carpenter, cuckoo, mason, halictid, & andrenid flies: syrphid & bee pnk-red pnk-red prairie larger butterflies: black swallowtail, etc.; & ruby-throated hummingbird woods: rich woodland no nectar; bees: honey, little carpenter, cuckoo, mason, halictid, & andrenid flies: syrphid & bee pnk-red pnk-red pnk-red prairie larger butterflies: black swallowtail, etc.; & ruby-throated hummingbird woods: rich woodland no nectar; bees: honey, little carpenter, cuckoo, mason, halictid, & andrenid flies: syrphid & bee pnk-red prairie larger butterflies: black swallowtail, etc.; & ruby-throated hummingbird woods: rich woodland no nectar; bees: honey, little carpenter, cuckoo, mason, halictid, & andrenid flies: syrphid & bee pnk-red prairie larger butterflies: black swallowtail, etc.; & ruby-throated hummingbird woodland no nectar; bees: honey, little carpenter, cuckoo, mason, halictid, & andrenid flies: syrphid & bee	round-leaved sundew	Drosera rotundifolia	sundew [Droseraceae]	june-aug	bog/swamps, soil: sphagnum, acid soil!	white		interesting conundrum as pollinating insects must avoid becoming prey; some self-pollination, some wind, & some insects - non-specific
Just an emone ▼ An emonella thalictroides buttercup [Ranunculaceae] march-may woods: rich white woodland no nectar; bees: honey, little carpenter, cuckoo, mason, halictid, & andrenid flies: syrphid & bee essile trillium ▼ Trillium sessile lity [Liliaceae] april-may woods: moist, thickets pnk-red Appalachian ?? rank odor & color of the petals: beetles & flies that are attracted to rotting flesh; a small weevil has been observed collecting pollen harp-lobed hepatica ▼ Hepatica acutiloba buttercup [Ranunculaceae] march-may woods: rich, alkaline soil bl-pur woodland no nectar; 1st - bees: honey, small carpenter, andrenid, & halictid; 2nd - syrph & other flies	royal catchfly ♥	Silene regia	pink [Caryophyllaceae]	june-aug	woods: open-dry, prairies, roadsides	pnk-red	prairie	larger butterflies: black swallowtail, etc.; & ruby-throated hummingbird
flesh; a small weevil has been observed collecting pollen harp-lobed hepatica Hepatica acutiloba buttercup [Ranunculaceae] march-may woods: rich, alkaline soil bl-pur woodland no nectar; 1st - bees: honey, small carpenter, andrenid, & halictid; 2nd - syrph & other flies	rue anemone 🔻	Anemonella thalictroides		-		white	woodland	no nectar; bees: honey, little carpenter, cuckoo, mason, halictid, & andrenid; flies: syrphid & bee
& other flies				april-may	woods: moist, thickets	pnk-red	Appalachian	?? rank odor & color of the petals: beetles & flies that are attracted to rotting flesh; a small weevil has been observed collecting pollen
harp-winged monkey flower Mimulus alatus snapdragon [Scrophulariaceae] june-sept streambanks,swamps, soil: wet bi-pur bumblebees		-	buttercup [Ranunculaceae]	march-may	woods: rich, alkaline soil	bl-pur	woodland	no nectar; 1st - bees: honey, small carpenter, andrenid, & halictid; 2nd - syrphid & other flies
	sharp-winged monkey flower 🔻	Mimulus alatus	snapdragon [Scrophulariaceae]	june-sept	streambanks,swamps, soil: wet	bl-pur		bumblebees

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shooting star ♥	Dodecatheon meadia	primrose [Primulaceae]	april-june	woods: openings, prairie, cliffs/hillsides, alkaline soil	white	priaire, cedar glad	bees: Queen bumble, anthophorine, long-horned, green metallic: all collect pollen; flowers offer no nectar
showy lady's slipper	Cypripedium reginae	orchid [Orchidacae]	june-july	woods: wet, swamp/bogs, alkaline soils	pnk-red		deceptive technique-no nectar or accessible pollen; 1st - long-tongued bees. 2nd - syrphid flies & scarab beetles
showy orchis (syn. Orchis)	Galearis spectabilis	orchid [Orchidacae]	may-june	woods: rich-moist-beech-maple	pnk-red		bumblebees
showy skuilcap ♥	Scutellaria serrata	mint [Lamiaceae]	may-june	woods: rich, roadside banks	bl-pur		?? 1st - various bees, 2nd - butterflies & skippers
skunk cabbage	Symplocarpus foetidus	arum [Araceae]	feb-april	woods: very wet, swamps, marshes	grn-brwn	rain garden	flesh & carrion flies, & gnats; are attracted by the carrion-like appearance & unpleasant odor of inflorescence
slender lady's tresses	Spiranthes lacera	orchid [Orchidacae]	aug-sept	woods:dry-openings-edges, fields	white	woodland	long-tongued bees: bumble, leaf-cutting, mason, sweat, leaf-cutter
small-flowered leafcup ♥	Polymnia canadensis	aster [Asteraceae]	june-oct	woods: rich-moist, alkaline soil	white	dolomite, meadow	hoпeybees, bumblebees, & miscellaneous flies
smooth ruellia ▼	Ruellia strepens	acanthus [Acanthaceae]	may-aug	woods: openings-edges, thickets, roadsides, cliffs	bl-pur		smaller long-tongued bees, long-horned bee. 2nd - leaf-cutting bees; πetallic wood-boring beetles
snow trillium ▼	Trillium nivale	lily [Liliaceae]	march-april	woods: rich: cliffs: base, ledges: shade, alkaline soil	white		bees: andrenid, queen bumble, & bees that become active in early spring
Solomon's plume, false Soloman's seal ♥	Smilacina racemosa	lily [Liliaceae]	may-july	woods: moist, thickets, slope: woodl&	white	woodland	small bees, flies, & many beetles: seed, long-horned, click, blister, tumbling flower, flower scarab & pedilid
Solomon's seal ♥	Polygonatum biflorum	lily [Liliaceae]	may-june	woods: dry to moist, thickets	grn-brwn	woodland, Allegheny	bees: bumble, anthophorid, & halictid & ruby-throated hummingbird
spiked lobelia, pale spiked lobelia ♥	Lobelia spicata	beilflower [Campanulaceae]	june-aug	woods: edges-dry, roadsides	bl-pur	dolomite	1st - long-tongued bees: little carpenter, miner, mason, & leaf-cutting. 2nd - small butterflies & skippers
spotted touch-me-not ♥	Impatiens capensis	touch-me-лоt [Balaminaceae]	june-sept	woods: edges-wet, riverbanks: shaded, roadsides/ditches	yel-org	woodland	1st - ruby-throated hummingbird & long-tongued bees: bumblebees & honeybees. 2nd - swallowtail butterflies
spring beauty ♥	Claytonia virginica	purslane [Portulacaceae]	march-may	woods: moist, thickets, clearings	white	woodland	1st - bees: honey, bumble, little carpenter, mason, cuckoo, halictid, & andrenid (Andrena erigeniae is oligolege); flies: syrphids, giant bee, flesh & calliphorid. 2nd - butterflies & skippers
spring cress	Cardamine rhomboidea	mustard [Brassicaceae]	april-june	woods: rich- wet, streambanks: wet, springs, clearings: wet	white	woodland	bees: cuckoo, mason, little carpenter, halictid, andrenid, flies: bee, dance, syrphid, sm-med butterflies & skippers
squawroot parasitic	Conopholis americana	broomrape [Orobanchaceae]	april-june	woods: rich-oak	grn-brwn		?? similar species pollinated by bumblebees
squirrel-corn ▼	Dicentra canadensis	poppy [Papaveraceae]	april-may	woods; rich w/deep soil	white	woodland	1st - queen bumblebees
star chickweed	Stellaria pubera	pink [Caryophyllaceae]	april-june	woods: moist, rocky areas	white	vegetable	bees; cuckoo, mason, halictid, andrenid; flies: giant bee, syrphid
stiff gentian; agueweed	Gentianella quinquefolia	gentian [Gentianaceae]	sept-oct	woods: moist, strambanks, roadsides	bl-pur		?? closed corolfas suggests that long-tongued bees cross-pollinate flowers
stiff goldenrod ♥	Oligoneuron rigidum	aster [Asteraceae]	aug-oct	prairies: dry, fields, roadsides, soil: dry, alkaline soils	yel-org	alvar	long-tongued bees, short-tongued bees, wasps, flies, butterflies, & beetles, monarch butterflies
striped white violet ▼	Viola striata	violet [Violaceae]	april-june	woods: moist, streambanks, roadsides	white	woodland	1st - bees: bumble, long-horned, mason bees, & andrenid (Andrena violae is oligolege). 2nd - giant bee fly; butterflies, & skippers
swamp milkweed ♥	Asclepias incamata	milkweed [Asclepiadaceae]	july-aug	shores, swamps/marshes, ditches: wet, soil: moist	pnk-red	Appalachian, headland dune	Bees: bumble, honey, long-horned, halictid; wasps: sphecid, vespid, tiphiid, spider; flies: mydas, thick-headed, tachinid; butterflies: swallowtail, greater fritillaries, monarch, & skippers. 2nd - ruby-throated hummingbird
swamp rose-mallow ♥	Hibiscus moscheutos	mallow [Malvaceae]	july-sept	lake shores/pond edges, marshes, ditches: wet	pnk-red	first family patio	bees: bumble & other long-tongued bees, rose mallow bee is an oligolege. 2nd ruby-throated hummingbird
sweet cicely (native); aniseroot ♥	Osmorhiza longistylis	parsley [Apiaceae]	may-june	woods: moist-shady	white	woodland	sm-med. bees: cuckoo, mason, halictid, masked; wasps; flies: syrphid, bee, dance, tachinid, anthomyiid; & beetles
tall beliflower ♥	Campanula americana	beliflower [Campanulaceae]	june-sept	woods: rich-moist, thickets, roadsides	bl-pur		long-tongued bees: bumble & leaf-cutting (Megachile campanulae is oligolectic), halictid; butterflies, & skippers.
tall blue lettuce; wild lettuce	Lactuca floridana	aster [Asteraceae]	july-sept		bl-pur		bees: leaf-cutting, & halictid
tall coreopsis ♥	Coreopsis tripteris	aster [Asteraceae]	july-sept	woods: edges, thickets	yel-org	cedar glade	bees: bumble, cuckoo, digger, leaf-cutting, halictid, dagger; wasps: thread- waisted & others; flies: syrphid, bee, tachinid; butterflies, skippers, & goldenrod soldier beetle
tall ironweed ♥	Vernonia gigantea	aster [Asteraceae]	aug-oct	thickets/field: moist, roadsides, prairie openings/meadow;	bl-pur	meadow	bee flies, butterflies, skippers, & various long-tongued bees
tall meadow-rue ♥	Thalictrum pubescens	buttercup [Ranunculaceae]	june-aug	woods: rich, streambanks, meadows: wet,	white	fen	dioecious, wind-pollinated plant
tall thoroughwort ♥	Eupatorium altissimum	aster [Asteraceae]	aug-sept	woods: clearings, fields, roadsides	white		bees: long-tongued & short-tongued; wasps: paperp, thread-waisted, bee wolvest, scollid, larrine, s&, spider, etc.; flies: syrphid, bee, tachinid, muscid, etc; small butterflies, skippers, beetles, & plant bugs
thimbleweed ♥	Anemone virginiana	buttercup [Ranunculaceae]	july-aug	woods: dry-open-edges, fields: old, thickets, alkaline soil	white	Appalachian	sm bees: plasterer & halictid bees; & flower flies
three-lobed coneflower; brown- eyed Susan ♥		aster [Asteraceae]	july-oct	woods: open, thickets, soil: moist	yel-org		bees: bumble, little carpenter, digger, cuckoo, leaf-cutting, andrenid (oligolege: Andrena rudbeckiae), & halictid-green metallic; wasps: sphecid, vespid; flies: syrphid, bee, thick-headed, tachinid; sm-med butterflies, & goldenrod soldier beetle
tickseed sunflower 🔻 annual	Bidens coronata	aster [Asteraceae]	aug-oct	floodplains, meadows: wet, roadside: ditches	yel-org	\$	bees: honey, bumble, leaf-cutting, halictid, andrenid; beetles: goldenrod soldier & dark scarab

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turtlehead ♥	Chelone glabra	snapdragon [Scrophulariaceae]	july-sept	stream/lake edges, swamps,roadside ditches, soil: wet	white		1st - bumblebees. 2nd - ruby-throated hummingbird
twinleaf Y	Jeffersonia diphylla	barberry [Berberidaceae]	april-may	woods: rich, slopes: moist-welldrained, alkaline soil	white	woodland	early bloomer; often self-pollinates; honeybees & halictid bees
two-flowered Cynthia	Krigia biflora	aster [Asteraceae]	april-aug	woods: open, fields, roadsides	yel-org	oak openings dune	long-tongued bees: bumble, honey, little carpenters, cuckoo, mason, short-tongued: halictid, masked, andrenid (oligolege: Andrena krigiana); predatory wasps; flies: syrphid, tachinid, etc.; butterflies, skippers, & beetles
Venus looking-glass annual	Triodanis perfoliata	beliflower [Campanulaceae]	may-july	woods: edges, thickets, roadsides, disturbed open areas	bl-pur		1st - Sm bees: little carpenter, plasterer (oligolege: Colletes brevicomis), green metallics, & other halictid. 2nd - bumblebees, flies, small butterflies, & skippers
Virginîa bluebells ♥	Mertensia virginica	borage [boraginaceae]	april-may	woods: rich	bl-pur	woodland, pergol	long-tongued bees: honey, bumble, anthophorid & mason; giant bee fly; butterflies, skippers, & sphinx moths (hummingbird moth)
water hemlock	Cicuta maculata	parsley [Apiaceae]	june-july	streambanks, pond/lake margins, swamps, ditches: wet	white		insects with short mouthparts - bees: leafcutter, hallctid, cuckoo, plasterer, masked; wasps: sphecid, vespid, tiphiids, spider, velvet ants, cuckoo, eucoilids, braconid; flies: soldier, syrphid, thick-headed, tachinid, flesh, muscid, & misc. beetles
white avens	Geum canadense	rose [Rosaceae]	june-aug	woods: edges, thickets, shaded	white	woodland	bees, wasps, flies: syrphid, & beetles
white baneberry; doll's eyes Y	Actaea alba	buttercup [Ranunculaceae]	may-june	woods: moist-rich, thickets, floodplains: wooded	white	woodland	only offers pollen; halictid bees
white snakeroot (syn. Eupatorium rugosum)	n Ageratina altissima	aster [Asteraceae]	july-oct	woods: rich, thickets	white	Appalachian, woodland	bees: leaf-cutting, halictid; wasps; flies: syrphid, tachinid, bee & others; butterflies, & moths
white trout-lily ▼	Erythronium albidum	lily [Liliaceae]	april-june	woods: moist, thickets	white	woodland	bees: honey, mason, cuckoo, digger, halictid, plasterer, & &renid bees (oligolege: Andrena erythronii). 2nd - giant bee fly, butterflies, &skippers
white wild indigo ♥	Baptisia alba	pea [Fabaceae]	june-aug	woods: dry, prairie openings, roadside	white	cedar glade	worker bumblebees pollinate the flowers
daisy fleabane; white-top	Erigeron strigosus	aster (Asteraceae)	may-sept	fields, roadsides, disturbed areas	white		1st - bees: little carpenter, cuckoo, mason, plasterer, masked, halictid, halictid cuckoo; flies: syrphid, bee, tachinid, flesh, & muscid. 2nd - wasps, small butterflies, & beetles
whorled loosestrife	Lysimachia quadrifolia	primrose [Primulaceae]	june-july	woods: open, thicket, roadsides, soil: sandy	yel-org	cedar glade	bees: honey & bumble ?? Specialized oil bees (Macropis sps.)
whorled milkweed ♥	Asclepias verticillata	milkweed [Asclepiadaceae]	june-sept	woods: open, fields: dry, roadsides	white		1st - bees: honey, bumble, halictid, halictid cuckoo; wasps: sand-loving, weevil, sphecid, five-banded tiphild, northern paper, spider, eumenine. 2nd - flies: syrphid, thick-headed, tachinid, flesh, muscid; painted lady & other butterflies, Peck's Skipper & other skipper; squash vine borer moth & other moths; & Pennsylvania soldier beetle
whorled rosinweed ♥	Silphium trifoliatum	aster [Asteraceae]	july-sept	woods: edges, thickets, prairie	yel-org	prairie	?? native bees & honeybees
wild bergamot ♥	Monarda fistulosa	mint [Lamiaceae]	july-aug	woods: edges, thickets, fields: dry, alkaline soil	bl-pur	headlands,	long-tongued bees: bumblebees, miner, epeoline cuckoo, & large leaf-cutting, halictid (oligolege: <i>Dufourea monardae</i>); bee flies, butterflies, skippers, & hummingbird moths. 2nd - ruby-throated hummingbird
wild blue phlox; woodland phlox ♥	Phlox divaricata	phlox [Polemoniaceae]	april-june	woods: rich-edges-openings, fields	bl-pur	meadow	long-tongued bees: bumble; bee flies; butterflies: swallowtails, skippers, & moths: hummingbird clearwing & sphinx
wild columbine ♥	Aquilegia canadensis	buttercup [Ranunculaceae]	april-july	woods: rich, rocky ledges	pnk-red	dolomite	1st - bumblebees & ruby-throated hummingbird. 2nd - short-tongued halictid bees
wild four-o'clock ♥	Mirabilis nyctaginea	four o'clock [Nyctaginaceae]	june-oct	roadsides, disturbed areas, soil: dry	pnk-red	headland sand dune	1st - long-tongued (nectar) & short-tongued bees (pollen), & moths. 2nd - ruby- throated hummingbird
wild garlic	Allium canadense	lily [Liliaceae]	may-july	woods: moist, floodplains: wooded, meadows: moist	pnk-red		bees: onion, mason, stelid, halictid, plasterer, masked; syrphid & bee flies, & wasps
wild geranium ♥	Geranium maculatum	geranium [Geraniaceae]	april-june	woods: rich-moist, floodplains: wooded, cliffs: moist	pnk-red	woodland, medicinial	bees: bumble, mason, cuckoo, long-horned, halictid, andrenid bees (Andrena distans is an oligolege) & others; syrphid flies & dance flies, butterflies, & skippers
wild ginger ♥	Asarum canadense	birthwort [Aristolochiaceae]	april-may	woods: rich; floodplains: wooded	grn-brwn	woodland	?? probably attract flies or beetles
wild hyacinth ♥	Camassia scilloides	lily [Liliaceae]	may-june	woods: open-shaded, stream edges, floodplains: wooded, slopes: steep-rocky, alkaline soil	bl-pur	Appalachian, prairie	1st - bees: honeys, bumble, cuckoo, & halictid; & flies. 2nd - occasional butterflies & wasps
wild leek, ramp ♥	Allium tricoccum	lily [Lifiaceae]	june-july	woods: rich-moist, bottomlands	white	woodland	1st - bees: halictid, masked, honey, bumble, & mason, 2nd - syrphid flies
wild lettuce	Lactuca canadensis	aster [Asteraceae]	june-sept	woods: open, fence rows, fields, roadsides, disturbed areas			1st - leaf-cutting & halictid bees
wild lupine ♥	Lupinus perennis	pea [Fabaceae]	april-july	savannahs: oak, soil: dry-sandy	bl-pur		bees: honey, bumble, digger, mason, & other long-tongued bees, halictid; & bee flies. Only pollen is available, which is forcibly ejected into the faces of insect visitors
wild potato-vine	Ipomoea pandurata	morning-glory [Convolvulaceae]	july-sept	fields, roadsides, hillsides, disturbed areas, soils: dry	white		long-tongued bees: honey, bumble. & digger, mallow & morning glory bees (oligolectic). Less common: swallowtail butterflies, skippers, & sphinx moths
wild quinine ♥	Parthenium integrifolium	aster [Asteraceae]	july-oct	prairie openings	white		bees: halictid; wasps: crabronine, eumenine, cuckoo, braconid, etc.; flies: syrphid, tachinid, flesh, muscid flies, anthomyild, etc.; beetles, & plant bugs
wild stonecrop ♥	Sedum ternatum	stonecrop [Crassulaceae]	april-june	banks, cliffs: moist-wooded, rocks: damp	white	woodland	1st - various bees: andrenid, etc. 2nd - wasps & flies

wild strawberry ♥	Fragaria virginiana	rose [Rosaceae]	april-june	open fields, meadows	white	sedge meadow,	lots of bees: little carpenter, cuckoos, masons, halictids, halictid cuckoo,
] ' '			dune	andrenid; lots of flies: syrphid, thick-headed, tachinid, bottle, flesh; small
							butterflies, & skippers
wingstem ♥	Verbesina alternifolia	aster [Asteraceae]	aug-oct	woods: edges, thickets, near streams, floodplains, soil: rich	yel-org	meadow	long-tongued bees, esp. bumble; has long disk flower tubes
wood nettle	Laportea canadensis	nettle [Urticaeae]	july-sept	woods: moist, stream edges, floodplains: flooded	grn-brwn	woodland	wind pollinated; has stinging hairs (trichomes) on stems
wood-betony hemiparasitic	Pedicularis canadensis	snapdragon [Scrophulariaceae]	april-june	woods: openings-edges,	pnk-red	sedge meadow	1st - long-tongued bees: queen bumble & mason bees
woodland sunflower ▼	Helianthus divaricatus	aster [Asteraceae]	july-oct	woods: open, thickets, roadsides	yel-org	oak openings	specialist bee pollinators: Andrena species, etc.; long-tongued bees: honey,
	· I					dune	bumble, digger bees, leaf-cutting bees, cuckoo bees, etc.; short-tongued bees:
•					1		halictid; misc. wasps; misc. flies;, butterflies & skippers, & goldenrod soldier
							beetle
yellow corydalis	Corydalis flavula	poppy [Papaveraceae]	april-may	woods: open-sandy, gravel banks, rocky slopes	yel-org		?? probably bees: honeybee & bumble have been observed
yellow lady's-slipper	Cypripedium calceolus	orchid [Orchidacae]	may-july	swamp-bogs, soil: rich-moist, alkaline soil	yel-org		small bee: honey, little carpenter bees, mason bees, halictid bees, & andrenid
	,						bees, & possibly various flies
yellow pimpernel	Taenidia integerrima	parsley [Apiaceae]	may-june	woods: dry, thickets, roadside banks, hillsides: rocky	yel-org		small bees: nomadine, little carpenter, halictid, carder, & andrenid; wasps (e.g.
							parasitic); flies: syrphid, tachinid, chloropid, March, & blow, & beetles.
yellow trout-lily ▼	Erythronium americanum	lily [Liliaceae]	march-may	woods: moist	yel-org	woodland	1st - bees: bumble, mason bees, & andrenid bees
yellow wood-sorrel	Oxalis stricta	wood-sorrel [Oxalidaceae]	june-oct	woods, fields, roadsides, disturbed areas	yel-org	prairie	halictid & other bees, flower & bee flies, & cabbage white butterfly
zigzag goldenrod ▼	Solidago flexicaulis	aster [Asteraceae]	aug-sept	woods: rich	yel-org	woodland	many: long-tongued bees, small-tongued bees, wasps, flies, & butterflies.
					_		Several bee oligoleges of goldenrods: Andrena species

Other Resources

Lady Bird Johnson Wildflower Center - https://www.wildflower.org/

Mary Reynolds - http://wearetheark.org/what-is-an-ark/ ARK = Acts of Restorative Kindness

North Carolina Extension Gardener Plant Toolbox - https://plants.ces.ncsu.edu/

ODNR Webpage on Invasive plants - http://ohiodnr.gov/invasiveplants

Pollinator & other habitat info: https://www.illinoiswildflowers.info

Xerces Society - https://xerces.org/pollinator-conservation/pollinator-friendly-plant-lists

National Wildlife Federation: Attracting Birds, Butterflies, & Other Backyard Wildlife (Expanded Second Edition) - 2019, David Mizejewski

Back to Eden: Landscaping with Native Plants - 2013, Frank Porter

Butterfly Gardening with Native Plants: How to Attract & Identify Butterflies - 2015, Christopher Kline

The Bees in Your Backyard - 2016, Joseph S. Wilson & Olivia Messinger Carril

Trees of Ohio Field Guide - 2004, Stan Tekiela

Wildflowers of Ohio - 1998 & 2008, Robert Henn; majority of plant list is from this book

Ohio Invasive Plants Council brochure: "Alternatives for Invasive Plants in Ohio: A Guide for Landscaping & Habitat Restoration" https://www.oipc.info/oipc-&-ohio-material.html

<u>NOTES</u>

- 1. <u>long-tongued bees</u>: Anthophoridae (anthophorid bees-miner, carpenter, parasitic), Apidae (honey & bumble), Megachilidae (leaf-cutting bees carder bees, mason bees, cuckoo bees, *Hoplitis* sp.), Melittidae (oil-collecting bees)
- 2. short-tongued bees: Andrenidae (andrenid bees, small miner bees), Colletidae (plasterer bees, miner bees, masked bees), Halictidae (halictid bees, green metallic bees, alkali bees, cuckoo halictid bees, dufourine bees)
- 3. oligolege specialist pollinator for various plant species
- 4. 1st = primary pollinators, 2nd = seconary/less effective pollinators; some predatory insects also eat nectar and pollen and can be minor pollinators
- 5. ?? less data; dependable sources inferring probable pollinators based on similar plant species
- 6. V = a plant that may be easier to find and usually plays well with others; plants not given a V may be very vigorous growers or self-seeders, may have other qualities that

you might not want in a garden or may not be easily found (e.g. orchids, sundews, etc.) Disclaimer: this is my opinion which is subject to change - DKnapke

<u>Last note</u> - Understanding a plant's cultural needs is fundamental to creating an eco-conscious garden. There are plants that will only grow well within a limited set of conditions. And
there are plants that will take over a garden if they are not planted with companions that keep them in check; 'tis the way of nature...

Hope Taft & Debra Knapke, January 20, 2020

questions? Contact info: knapke.sage@gmail.com & ohiohoper@yahoo.com

Ohio Native Plant Sources

Complied November 2019

Please send any corrections or updates to NancyLinz13@gmail.com

Name	Web address	<u>Email</u>	<u>Phone</u>	Street Address	City	Zip
Acorn Farms	www.acornfarms.com	acornfarms@acornfarms.com	614-891-9348	7679 Worthington Rd	Galena	43021
Aullwood Audubon Center and Farm	www.auliwood.center.audubon.org		937-890-7360	1000 Auliwood Rd	Dayton	45414
Avalon Gardens	www.avalongardensdensinn.com		440-286-2126	12511 Fowlers Mill Rd	Chardon	44024
Baker's Acres Greenhouse	www.bakersacresgreenhouse.com		740-924-6525	3388 Castle Rd	Alexandria	43001
Beck's Greenhouse			866-810-7021	1920 Steele Rd	Bellville	44813
Bluestone Perennials			800-852-5243	7211 Middle Ridge Rd	Madison	44057
Bowyer Farm (EcOhio, Cincinnati Zoo & Botanical Garden)	ical Garden)	brian.jorg@cincinnatizoo.org	513-617-2758	2210 Mason Montgomery Road	Lebanon	45036
Bremec Garden Center			440-729-2212	12265 Chillicothe Road	Chesterland	44026
Bremec Garden Center			216-932-0039	13410 Cedar Road	Cleveland Hts.	44118
Bremec Garden Center			440-357-0906	7954 Painsville Ravenna Road	Painesville	44077
Brotzman's Nursery, Inc		brotzmannrsy@ncweb.com	440-428-3361	6899 Chapel Rd	Madison	44057
Cahoon Nursery	www.cahoonnursery.com		440-871-3761	27630 Detroit Road	Westlake	44145
Cardio Native Plant Nursery	www.jfnew.com	nurserysales@cardo.com	513-489-2402	11156 Luscheck Drive	Cincinnati	45241
Chadwick Arboretum	www.chadwickarboretum.ous.edu		614-688-3479	OSU Howlett Hall, 2001 Fyffe Ct.	Columbus	43210
Cincinnati Nature Center	www.cincynature.org		513-831-1711	4949 Tealtown Road	Milford	45150
Civic Garden Center	www.civicgardencenter.org		513-221-0981	2715 Reading Rd	Cincinnati	45206
Companion Plants, Inc.	www.companionplants.com	sales@companionplants.com	740-593-4643	7247 North Coolville Ridge Road	Athens	45701
Cox Arboretum MetroPark	www.coxarboretum.org		937-434-9005	6733 Springboro Pike	Dayton	45449
Dawes Arboretum	www.dawesarb.org		800-44-DAWES	7770 Jacksontown Rd. SE	Newark	43056
Dayton Nurseries			330-825-3320	3459 South Cleveland Massillon Rd	Norton	44203
Deeter Nurseeries, Inc		<u>deeternurs@juno.com</u>	937-836-5127	8150 Hoke Rd.	Clayton	45315
Dolders's Nursery			740-862-2156	13365 Lancaster Kirkerville NW Rd.	Baltimore	43105
Envriotech Consultants, Inc	www.envirotechcon.com	info@envirotechcon.com	740-743-1669	6380 Twp. Rd. 143 NE	Sommerset	43783
Five Springs Nursery & Landscaping	www.bamboofarm.com	fivesprgs@aol.com	740-594-6030	12691 Dutch Creek Rd.	Athens	45701
Franklin County Soil and Water Conservation	www.franklinswed.org		614-486-9613	1328 Dublin Rd. Suite 101	Columbus	43215
Friendly Gardens			937-776-8828	1852 Trebein Rd.	Xenia	45385
Genius Loci, Inc	www.indigination.com	craiglimpach@peoplepc.com	440-324-3465	161 Courtland st.	Elyria	44035
Geníus Locí, Inc.			614-789-0316	22 South High Street	Dublin	43017

43214		138 Oakland Park Ave	614-262-8940	rsanders2913@scpwildblue.com	www.pikecountyfarm.com	ike county Farm
44026	Chesterland	7572 Mayfield Road	440-729-7885		www.perennialspreferred.com	eleililais rielerred
44234	Hiram	P.O. Box 174	866-569-3380		www.opnseed.com	Promise Professed
43224	Columbus	1156 Oakland Park Ave.	614-268-3511		www.oakidildildisery.com	JPN Speds (previously Obje Projets Nurseau)
44028	Cleveland	Columbia Station	┸			Jakland Nurseries
43148	ē				www.noddingoniongardens.com	Vodding Onion Gardens
40040		Road				Vightcrawler Gardens
45040			513-398-4769		www.natorps.com	Vatorps
42224		4652 Township Road 179	419-688-9800		www.nativesinharmony.com	varives in Harmony
	5		614-946-5553		www.cityfolksfarmshop.com	valives in Hairnony
44286		3576 Five Oaks Drive	330-704-5735	sonia.bingham@nativerootsinc.com	www.nariverootsinc.com	varive noots, inc.
	Tipp City	2680 Ginghamsburg-West Charleston	937-524-4058	nativeohio@earthlink.net	www.nativeohioplants.com	Native Onto Flaits
43061	Ostrander	15088 Smart Cole Rd	740-666-7125		www.milicreekplants.com	Viating Ohio Block
	Cincinnati	Hamilton Cty Park District			discip	Villorack Gardens
44839	Huron	2412 Scheid Rd.	419-433-5639	meadowenvirons@aol.com	ircon	Wiami Whitewater Forest Shaker Trace Sood Nicropa
45013	Hamilton	2410 Lanes Mill Road	513-894-0022	I i i yspiai i i i i i i i i i i i i i i i i i i	www mandowardionment	Meadow Environments LLC
44077	Painesville	/420 Painesville Ravenna Road	140-304-1525	manyen antform@roomtour	www.marvsplantfarm.com	Mary's Plant Farm
TOBCC	_	7330 Painorvillo Barrana Barra	440-354-1575			Maple Ridge Nursery
בברסי		3969 Fox Ave	330-862-3920	valleyherbman@juno.com	www.lovherbsnflowers.com	Lily of the Valley Herb Farm
45775	Rutland	35703 Loop Road	740-742-3478			Lano Reformers
44077	Painesville	125 East Erie Street	440-350-2730	soil@lakecountyohio.gov	www.lakecountyohio.gov/swcd	Lake county son & water cons. District
44081	Perry	3322 South Ridge Rd	800-860-8104	klyn@klynnurseries.com	www.klynnurseries.com	Take County Soil & Watton Company
45232	Cincinnati	5081 Wooden Shoe Hollow Drive	513-961-2727	<u>nativeplants@keystonellora.com</u>	www.neysioliellola.com	Niza Nizrozion Inc
45710	Albany	160 Cherry Ridge Rd	/40-698-6060	Edward Object let	www.kowstopoflor	Keystone Flora
45248	CIncinnati	150 Chambridge way	740 600 6060	pawnaw@frognet net	www.integrationacres.com	Integration Acres Ltd.
/+7C+	Cincinnati	7995 Oakhridge Way	513-545-1079		www.indigescapes.com	Indigenous Landscapes
10044	Cincinnati	6088 Harrison Ave	513-598-6088	info@plantingthefuture.com	www.plantingthefuture.com	Holscher Hackman Landscaping
1007	Kirkland	9550 Sperry Road	440-946-4400	holden@holdenarb.org	www.holdenarb.org	Holden Arboretum
14001	Perry	3410 Shepard Rd	440-259-2725		www.losely.com	Herman Losely & Son, Inc
A5321	Cincinnati	10245 Winton Rd	513-923-3665		www.greatparks.org	Hamilton County Park District
43230	Gahanna	4736 East Johnstown Rd	614-419-2821	r info@growingsolutionsgardencenter.co	www.growingsoluntionsgardencenter	Growing Solutions Garden Center
45039	Maineville	726 Stephens Road	513-683-5249	plants@greenfieldplantfarm.com	www.greenfieldplantfarm.com	Greeniela Fidit Farm
45244	Cincinnati	6840 Clough Pike	513-683-5249	plants@greenfieldplantfarm.com	www.greenfieldplantfarm.com	Creaming right raint
45068	Waynesville	8107 St Rt 48	937-885-2973		www.grandmasgardens.net	Graenfield Blant Carm
44320	Akron	1015 White Pond Drive	330-836-2727		, interpretation of the second	Grandmale Cardon
45036	Lebanon	107 East Concord Drive	513-505-7191	suesadri@me.com	www.Bondukcanbw.com	Graf's Garden Shon
45215	Cincinnati	TUB23 Springfiled Pike	C005-C7E-CTC			Go Native Now
): -	10033 0 11 11 11 11	513-073 3666		www.greatparks.org	Glenwood Gardens, Hamilton Cty Park District

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Pipkin's	www.pipkinsmarket.com		513-791-3175	5035 Cooper Rd	Blue Ash	45242
Porterbrook Native Plants	www.porterbrooknativeplants.com	porterbrooknative@yahoo.com	740-247-4565	49607 St. Rt. 124	Racine	45771
Powell's Native Wildflowers			234-214-5763	7310n Glorine Street NE	North Canton	44720
Puritas Nursery & Garden Center			216-267-5350	19201 Puritas Avenue	Cleveland	44135
Quail Ridge Specimen Trees			614-313-5975	6335 Oregonia Road	Oregonía	45054
Riverside Native Trees and Shrubs	www.riversidenativetrees.com	ekapraly@gmail.com	740-815-3230	2295 River Road	Delaware	43015
Scarff's Nursery, Inc	www.scarffs.com		937-845-3821	411 North SR 235	New Carlisle	45344
Scioto Gardens	www.sciotogardens.com	sciotogardens@netzero.net	740-363-8264	3351 State Route 37W	Delaware	43015
Star Farms Native Plants			937-935-3970	14789 State Route 292	Kenton	43326
Strader's Garden Center			614-875-0606	2625 London Groveport Road	Grove City	43123
Stucker Meadow		beam.10@osu.edu	330-695-2123	7851 TR 562	Homesville	44633
Suncrest Gardens			330-650-4969	5157 Akron Cleveland Road	Peninsula	44264
Sunleaf Nursery	www.sunleaf.com		440-428-4108	PO Box 639	Madison	44057
The Common Milkweed Wildflower Farm	www.thecommonmilkweed.com		505-699-6929	3344 Township Road 26	Cardington	43315
Toledo Botanical Gardens	www.toledogarden.org		419-536-5566	5403 Elmer Dr.	Toledo	43615
United Plant Savers	www.unitedplantsavers.org		740-742-3456	35703 Loop Rd	Rutland	
Walnut Creek Seeds	www.wainutcreekseeds.com	Sales@walnutcreekseeds.com	330-475-6352	6100 Basil Western Rd	Carroll	43112
Wild Birds Unlimited Riverside	ww.columbusoh.whu.com	wbucolumbus@gmail.com	614-766-2103	5400 Riverside Dr.	Columbus	43220
Wilderness Center	www.wildernesscenter.com		330-359-5235	9877 Alabama Avenue SW	Wilmont	44689
Wildscapes			513-467-0836	Bridgetown Rd	Cleves	
Willoway Nurseries, Inc.		sales@willowaynurseries.com	440-934-4435	4534 Center Road	Avon	44011
Wooten's Nursery, Landscaping and Design	www.wootenlandscaping.com		740-820-8210	1444 US Route 23	Piketon	45651
Other States that Supply Ohio						
Ammon Outdoor Design	www.ammonoutdoordesign.com		859-586-2400	2141 Burlington Pike	Burlington, KY 41005	41005
Dropseed Native Plant Nursery	www.dropseednursery.com	margaret@dropseednursery.com	502-439-9033	1205 Sough Buckeye Lane	Goshen, KY	40026
Habitats Native Plant Nursery LLC	www.habitatsnursery.org	native@habitatsnursery.org	859-442-9414	PO Box 625	Silver Grove,	41085
Shooting Star Nursery	www.shootingstarnursery.com	shootingstarnursery@msn.com_	866-405-7979	160 Soards Rd	Georgetown,	40324
Prairie Moon Nursery	www.prairiemoon.com		866-417-8156	32115 Prairie Lane	Winona, MN	55987

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Ammon Outdoor Design	www.ammonoutdoordesign.com		859-586-2400	859-586-2400 2141 Burlington Pike	Burlington, KY 41005	41005
Dropseed Native Plant Nursery	www.dropseednursery.com	margaret@dropseednursery.com	502-439-9033	502-439-9033 1205 Sough Buckeye Lane	Goshen, KY 40026	40026
Habitats Native Plant Nursery LLC	www.habitatsnursery.org	native@habitatsnursery.org	859-442-9414 PO Box 625	PO Box 625	Silver Grove, 41085	41085
Shooting Star Nursery	www.shootingstarnursery.com	shootingstarnursery@msn.com	866-405-7979 160 Soards Rd	160 Soards Rd	Georgetown, 40324	40324
Prairie Moon Nursery	www.prairiemoon.com		866-417-8156	866-417-8156 32115 Prairie Lane	Winona, MN 55987	55987
Prairie Nursery	www.prairienursery.com	cs@prairienursery.com	800-476-9453 P.O. Box 306	P.O. Box 306	Westfield, WI 53964	53964

