

MHc37 Central Mesic Hardwood Forest (Western) Pollinator Resources

Mesic hardwood forests dominated most-commonly by basswood and sugar maple. Present on well-drained loamy soils on rolling to hummocky stagnation moraines.

Examples of insect pollinators (and their associated host plants in parentheses) that use MHc37 include:

Bees:

Andrena lupinorum (Fabaceae)

Hylaeus sparsus (Apiaceae)

Andrena persimulata (Cornus [Swida])

Butterflies:

Erynnis juvenalis (Quercus)

Satyrrium titus (Prunus)

Erynnis icelus (Populus)

Moths:

Lithophane innominata (Acer saccharum)

Dichomeris bilobella (Solidago flexicaulis)

Caloptilia fraxinella (Fraxinus pennsylvanica)

Ceratonia amyntor (Ulmus americana)



Hylaeus sparsus uses species in the Apiaceae (carrot) family as a host plant. Photo: Michael Veit

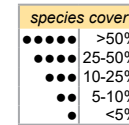


Erynnis juvenalis (Juvenal's duskywing) uses *Quercus* (oak) species as a host plant. Photo: Bob Dunlap

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Pollinator Resources Table

[MHc37 Class Factsheet](#). Based on 107 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Early meadow-rue (<i>Thalictrum dioicum</i>)	96	●●	SI	Perennial	Present	wind	Generalist	0
Large-flowered bellwort (<i>Uvularia grandiflora</i>)	95	●●●	SI	Perennial	Present	insects	Early spring insect	5
Zigzag goldenrod (<i>Solidago flexicaulis</i>)	86	●●	SI	Perennial	Present	insects	Generalist	4
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	83	●	D	Perennial	Present	insects	Generalist	4
Clayton's sweet cicely (<i>Osmorhiza claytonii</i>)	75	●	D	Perennial	Absent	insects	Generalist	5
Yellow violet (<i>Viola pubescens</i>)	70	●	SI/SC	Perennial	Present	insects	Early spring insect	4
Rattlesnake fern (<i>Botrychium virginianum</i>)	68	●	SC	Perennial	Present	wind, water	Generalist	0
Round-lobed hepatica (<i>Anemone americana</i>)	62	●	SC	Perennial	Present	insects	Early spring insect	3
Maryland black snakeroot (<i>Sanicula marilandica</i>)	54	●	UNK	Perennial	Absent	insects	Generalist	4
Wood anemone (<i>Anemone quinquefolia</i>)	51	●	UNK	Perennial	Present	insects	Early spring insect	4
Lopseed (<i>Phryma leptostachya</i>)	50	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Bloodroot (<i>Sanguinaria canadensis</i>)	48	●	SC	Perennial	Present	insects	Early spring insect	3
Common false Solomon's seal (<i>Smilacina racemosa</i>)	47	●	UNK	Perennial	Present	insects	Early spring insect	4
Rose twistedstalk (<i>Streptopus roseus</i>)	43	●	UNK	Perennial	Present	insects	Early spring insect	4
Sweet-scented bedstraw (<i>Galium triflorum</i>)	41	●	UNK	Perennial	Present	insects	Generalist	3
Red baneberry (<i>Actaea rubra</i>)	39	●	SC	Perennial	Present	insects	Early spring insect	3
American spikenard (<i>Aralia racemosa</i>)	38	●	UNK	Perennial	Present	insects	Generalist	3
Hog peanut (<i>Amphicarpaea bracteata</i>)	38	●	CH and CL flowers	Annual	Present	insects	Somewhat specific insect	6
Blue cohosh (<i>Caulophyllum thalictroides</i>)	37	●	SC/SI	Perennial	Present	insects	Early spring insect	4
Canada mayflower (<i>Maianthemum canadense</i>)	33	●	SI	Perennial	Present	insects	Early spring insect	5
Wild ginger (<i>Asarum canadense</i>)	33	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Lindley's aster (<i>Aster ciliolatus</i>)	32	●	UNK	Perennial	Present	insects	Generalist	3
Erect, Smooth, or Illinois carrion-flower (<i>Smilax</i> spp.)*	31	●	D	Perennial	Present	insects	Somewhat specific insect	5
Pointed-leaved tick trefoil (<i>Desmodium glutinosum</i>)	30	●	UNK	Perennial	Absent	insects	Somewhat specific insect	5
Dwarf raspberry (<i>Rubus pubescens</i>)	29	●●	SC	Perennial	Present	insects	Generalist	2
Common strawberry (<i>Fragaria virginiana</i>)	26	●	SC	Perennial	Present	insects	Early spring insect	3
Common enchanter's nightshade (<i>Circaea lutetiana</i>)	25	●	SC	Perennial	Present	insects	Generalist	2
Yellow lady's slipper (<i>Cypripedium calceolus</i>)	24	●	SC	Perennial	Weakly	insects	Very specialized insect	4
Bracken (<i>Pteridium aquilinum</i>)	24	●●	SC	Perennial	Present	wind, water	Generalist	0
Large-leaved aster (<i>Aster macrophyllus</i>)	23	●	A	Perennial	Present	insects	Generalist	2
Tall coneflower (<i>Rudbeckia laciniata</i>)	22	●	SC	Perennial	Present	insects	Generalist	2
Lady fern (<i>Athyrium filix-femina</i>)	22	●	SC	Perennial	Present	wind, water	Generalist	0
Pale bellwort (<i>Uvularia sessilifolia</i>)	22	●	SI	Perennial	Present	insects	Early spring insect	5
Veiny pea (<i>Lathyrus venosus</i>)	17	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Pale vetchling (<i>Lathyrus ochroleucus</i>)	17	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Spreading dogbane (<i>Apocynum androsaemifolium</i>)	16	●	SI	Perennial	Present	insects	Generalist	4
Hairy Solomon's seal (<i>Polygonatum pubescens</i>)	15	●	UNK	Perennial	Present	insects	Somewhat specific insect	4

Grasses and Sedges								
Pennsylvania sedge (<i>Carex pensylvanica</i>)	87	●●●	SC	Perennial	Present	wind	Generalist	0
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	77	●	UNK	Perennial	Absent	wind	Generalist	0
Bottlebrush grass (<i>Elymus hystrix</i>)	22	●	UNK	Perennial	Absent	wind	Generalist	0
Long-stalked sedge (<i>Carex pedunculata</i>)	18	●●	SC	Perennial	Present	wind	Generalist	0
Climbing Plants								
Virginia creeper (<i>Parthenocissus</i> spp.)	22	●	SC	Perennial	Present	insects	Generalist	2
Shrubs								
Leatherwood (<i>Dirca palustris</i>)	68	●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Chokecherry (<i>Prunus virginiana</i>)	65	●	SI	Perennial	Present	insects	Early spring insect	5
Prickly gooseberry (<i>Ribes cynosbati</i>)	63	●	SI	Perennial	Present	insects	Generalist	4
Pagoda dogwood (<i>Cornus alternifolia</i>)	63	●	UNK	Perennial	Present	insects	Generalist	3
Downy arrowwood (<i>Viburnum rafinesquianum</i>)	55	●	UNK	Perennial	Present	insects	Generalist	3
Beaked hazelnut (<i>Corylus cornuta</i>)	49	●●	Di	Perennial	Present	wind	Generalist	0
Juneberries (<i>Amelanchier</i> spp.)	45	●	Varies	Perennial	Present	insects	Early spring insect	Varies
American hazelnut (<i>Corylus americana</i>)	37	●●	Di	Perennial	Present	wind	Generalist	0
Poison ivy (<i>Toxicodendron rydbergii</i>)	23	●	D	Perennial	Present	insects	Generalist	4
Prickly ash (<i>Zanthoxylum americanum</i>)	19	●	D	Perennial	Present	insects	Generalist	4
Round-leaved dogwood (<i>Cornus rugosa</i>)	17	●●	UNK	Perennial	Present	insects	Generalist	3
Tree Canopy								
Basswood	88	●●●	SI	Perennial	Absent	insects	Generalist	5
Sugar maple	79	●●●●	D	Perennial	Absent	insects	Early spring insect	6
Paper birch	65	●	Di	Perennial	Present	wind	Generalist	0
Quaking aspen	47	●●	D	Perennial	Present	wind	Generalist	0
Northern red oak	44	●●●	SI	Perennial	Present	wind	Generalist	0
Bur oak	39	●●	SI	Perennial	Present	wind	Generalist	0
American elm	30	●	Di	Perennial	Absent	wind	Generalist	0
Ironwood	16	●●●	UNK	Perennial	Present	wind	Generalist	0
Green ash	12	●	D	Perennial	UNK	wind	Generalist	0
Tree Subcanopy								
Basswood	63	●●	SI	Perennial	Absent	insects	Generalist	5
Sugar maple	85	●●●●	D	Perennial	Absent	insects	Early spring insect	6
Paper birch	22	●	Di	Perennial	Present	wind	Generalist	0
Quaking aspen	23	●	D	Perennial	Present	wind	Generalist	0
Northern red oak	18	●	SI	Perennial	Present	wind	Generalist	0
Bur oak	17	●	SI	Perennial	Present	wind	Generalist	0
American elm	40	●	Di	Perennial	Absent	wind	Generalist	0
Ironwood	71	●●	UNK	Perennial	Present	wind	Generalist	0
Green ash	14	●	D	Perennial	UNK	wind	Generalist	0

Tree Shrub Layer

Basswood	68	•	SI	Perennial	Absent	insects	Generalist	5
Sugar maple	93	••••	D	Perennial	Absent	insects	Early spring insect	6
Paper birch	8	•	Di	Perennial	Present	wind	Generalist	0
Quaking aspen	37	•	D	Perennial	Present	wind	Generalist	0
Northern red oak	64	•	SI	Perennial	Present	wind	Generalist	0
Bur oak	24	•	SI	Perennial	Present	wind	Generalist	0
American elm	68	•	Di	Perennial	Absent	wind	Generalist	0
Ironwood	72	••	UNK	Perennial	Present	wind	Generalist	0
Green ash	26	•	D	Perennial	UNK	wind	Generalist	0

* Erect, Smooth, or Illinois carrion-flower (*Smilax ecirrata*, *S. herbacea*, or *S. illinoensis*)