

MHs37 Southern Dry-Mesic Oak Forest Pollinator Resources

Dry-mesic hardwood forests occurring most often on thin, wind-deposited silt on crests and upper slopes of bedrock bluffs and less often on hummocky stagnation moraines in calcareous, partially sorted drift.

Examples of insect pollinators (and their associated host plants in parentheses) that use MHs37 include:

Bees:

Andrena uvulariae (*Uvularia*)

Andrena distans (*Geranium maculatum*)

Andrena platyparia (*Cornus* (*Swida*))

Andrena wilkella (**Fabaceae**)

Butterflies:

Erynnis juvenalis (*Quercus*)

Satyrium titus (*Prunus*)

Satyrium caryaevorus (*Carya cordiformis*)

Moths:

Parectopa geraniella (*Geranium maculatum*)

Macrosaccus morrisella (*Amphicarpaea bracteata*)

Caloptilia negundella (*Acer negundo*)



Andrena wilkella (Wilke's mining bee) uses species in the Fabaceae (legume) family as a host plant.

Photo: Michael Veit

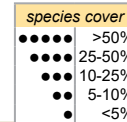


Oeneis macounii (Canada Arctic) uses *Oryzopsis asperifolia* (roughleaf ricegrass) as a host plant. Photo: Kyle Johnson

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Pollinator Resources Table

MHs37 Class Factsheet. Based on 43 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Lady fern (<i>Athyrium filix-femina</i>)	91	●●	SC	Perennial	Present	wind, water	Generalist	0
Pointed-leaved tick trefoil (<i>Desmodium glutinosum</i>)	88	●●	UNK	Perennial	Absent	insects	Somewhat specific insect	5
Clayton's sweet cicely (<i>Osmorhiza claytonii</i>)	86	●	D	Perennial	Absent	insects	Generalist	5
Common enchanter's nightshade (<i>Circaea lutetiana</i>)	81	●	SC	Perennial	Present	insects	Generalist	2
Wild geranium (<i>Geranium maculatum</i>)	79	●	SC	Perennial	Present	insects	Early spring insect	3
Honewort (<i>Cryptotaenia canadensis</i>)	72	●	SC	Perennial	Present	insects	Generalist	2
White avens (<i>Geum canadense</i>)	72	●	UNK	Perennial	Present	insects	Generalist	3
Lopseed (<i>Phryma leptostachya</i>)	72	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Hog peanut (<i>Amphicarpaea bracteata</i>)	70	●●	CH and CL flowers	Annual	Present	insects	Somewhat specific insect	6
White snakeroot (<i>Eupatorium rugosum</i>)	65	●	UNK	Perennial	Present	insects	Generalist	3
Common false Solomon's seal (<i>Smilacina racemosa</i>)	65	●	UNK	Perennial	Present	insects	Early spring insect	4
Large-flowered bellwort (<i>Uvularia grandiflora</i>)	63	●	SI	Perennial	Present	insects	Early spring insect	5
Gregarious black snakeroot (<i>Sanicula gregaria</i>)	58	●	UNK	Perennial	Absent	insects	Generalist	4
Maidenhair fern (<i>Adiantum pedatum</i>)	56	●	SC	Perennial	Present	wind, water	Generalist	0
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	56	●	D	Perennial	Present	insects	Generalist	4
Jack-in-the-pulpit (<i>Arisaema triphyllum</i>)	56	●	SI	Perennial	Present	insects	Early spring insect, Somewhat specific insect	5
Sweet-scented bedstraw (<i>Galium triflorum</i>)	53	●	UNK	Perennial	Present	insects	Generalist	3
Rattlesnake fern (<i>Botrychium virginianum</i>)	51	●	SC	Perennial	Present	wind, water	Generalist	0
Spreading Jacob's ladder (<i>Polemonium reptans</i>)	47	●	UNK	Perennial	Present	insects	Early spring insect	4
Blue cohosh (<i>Caulophyllum thalictroides</i>)	47	●	SC/SI	Perennial	Present	insects	Early spring insect	4
Erect, Smooth, or Illinois carrion-flower (<i>Smilax</i> spp.)*	44	●	D	Perennial	Present	insects	Somewhat specific insect	5
Wood anemone (<i>Anemone quinquefolia</i>)	42	●	UNK	Perennial	Present	insects	Early spring insect	4
Red baneberry (<i>Actaea rubra</i>)	42	●	SC	Perennial	Present	insects	Early spring insect	3
Bracken (<i>Pteridium aquilinum</i>)	40	●	SC	Perennial	Present	wind, water	Generalist	0
Cleavers (<i>Galium aparine</i>)	40	●	SC	Annual	Absent	insects	Early spring insect	5
Bloodroot (<i>Sanguinaria canadensis</i>)	40	●	SC	Perennial	Present	insects	Early spring insect	3
Early meadow-rue (<i>Thalictrum dioicum</i>)	35	●	SI	Perennial	Present	wind	Generalist	0
Maryland black snakeroot (<i>Sanicula marilandica</i>)	35	●	UNK	Perennial	Absent	insects	Generalist	4
Zigzag goldenrod (<i>Solidago flexicaulis</i>)	33	●	SI	Perennial	Present	insects	Generalist	4
Clearweed (<i>Pilea</i> spp.)	28	●	sometimes D	Annual	Absent	wind	Generalist	0
Grasses and Sedges								
Starry sedge (<i>Carex rosea</i>)	37	●	UNK	Perennial	Present	wind	Generalist	0
Pennsylvania sedge (<i>Carex pensylvanica</i>)	35	●	SC	Perennial	Present	wind	Generalist	0
Bland sedge (<i>Carex blanda</i>)	23	●	UNK	Perennial	Present	wind	Generalist	0
Climbing Plants								
Virginia creeper (<i>Parthenocissus</i> spp.)	86	●●	SC	Perennial	Present	insects	Generalist	2
Wild grape (<i>Vitis riparia</i>)	79	●	D	Perennial	Present	insects	Generalist	4

Low Shrubs									
Red raspberry (<i>Rubus idaeus</i>)	42	•	SC	Perennial	Present	insects	Generalist		2
Black raspberry (<i>Rubus occidentalis</i>)	30	•	SC	Perennial	Present	insects	Generalist		2
Tall blackberries (<i>Rubus allegheniensis</i> and similar <i>Rubus</i> spp.)	28	••	Varies	Perennial	Present	insects	Generalist		Varies
Shrubs									
Chokecherry (<i>Prunus virginiana</i>)	79	••	SI	Perennial	Present	insects	Early spring insect		5
American hazelnut (<i>Corylus americana</i>)	72	••	Di	Perennial	Present	wind	Generalist		0
Missouri gooseberry (<i>Ribes missouriense</i>)	63	••	SI	Perennial	Present	insects	Generalist		4
Poison ivy (<i>Toxicodendron rydbergii</i>)	63	•	D	Perennial	Present	insects	Generalist		4
Pagoda dogwood (<i>Cornus alternifolia</i>)	58	••	UNK	Perennial	Present	insects	Generalist		3
Prickly gooseberry (<i>Ribes cynosbati</i>)	51	•••	SI	Perennial	Present	insects	Generalist		4
Gray dogwood (<i>Cornus racemosa</i>)	42	•	UNK	Perennial	Present	insects	Generalist		3
Round-leaved dogwood (<i>Cornus rugosa</i>)	30	••	UNK	Perennial	Present	insects	Generalist		3
Nannyberry (<i>Viburnum lentago</i>)	26	•	SI	Perennial	Present	insects	Generalist		4
Tree Canopy									
Northern red oak	91	••••	SI	Perennial	Present	wind	Generalist		0
White oak	67	••••	SI	Perennial	Present	wind	Generalist		0
Basswood	51	••	SI	Perennial	Absent	insects	Generalist		5
American elm	40	•••	Di	Perennial	Absent	wind	Generalist		0
Sugar maple	35	••	D	Perennial	Absent	insects	Early spring insect		6
Black cherry	33	•	SI	Perennial	Present	insects	Early spring insect		5
Ironwood	30	••	UNK	Perennial	Present	wind	Generalist		0
Bur oak	30	•••	SI	Perennial	Present	wind	Generalist		0
Red elm	30	•••	Di	Perennial	Absent	wind	Generalist		0
Shagbark hickory	28	•	SC/si	Perennial	Present	wind	Generalist		0
Northern pin oak	23	••••	SI	Perennial	Present	wind	Generalist		0
Hackberry	23	•	SC	Perennial	Absent	wind	Generalist		0
Paper birch	21	••	Di	Perennial	Present	wind	Generalist		0
Bitternut hickory	19	•	UNK	Perennial	Present	wind	Generalist		0
Box elder	14	•	D	Perennial	Absent	insects	Early spring insect		6
Tree Subcanopy									
Northern red oak	35	•	SI	Perennial	Present	wind	Generalist		0
White oak	30	••	SI	Perennial	Present	wind	Generalist		0
Basswood	74	••	SI	Perennial	Absent	insects	Generalist		5
American elm	51	•••	Di	Perennial	Absent	wind	Generalist		0
Sugar maple	49	•	D	Perennial	Absent	insects	Early spring insect		6
Black cherry	67	•	SI	Perennial	Present	insects	Early spring insect		5
Ironwood	56	••	UNK	Perennial	Present	wind	Generalist		0
Bur oak	12	•	SI	Perennial	Present	wind	Generalist		0
Red elm	51	•••	Di	Perennial	Absent	wind	Generalist		0

Shagbark hickory	30	●●	SC/si	Perennial	Present	wind	Generalist	0
Northern pin oak	-	-	SI	Perennial	Present	wind	Generalist	0
Hackberry	47	●	SC	Perennial	Absent	wind	Generalist	0
Paper birch	-	-	Di	Perennial	Present	wind	Generalist	0
Bitternut hickory	37	●●●	UNK	Perennial	Present	wind	Generalist	0
Box elder	56	●●	D	Perennial	Absent	insects	Early spring insect	6
Tree Shrub Layer								
Northern red oak	72	●	SI	Perennial	Present	wind	Generalist	0
White oak	28	●	SI	Perennial	Present	wind	Generalist	0
Basswood	60	●	SI	Perennial	Absent	insects	Generalist	5
American elm	40	●	Di	Perennial	Absent	wind	Generalist	0
Sugar maple	28	●	D	Perennial	Absent	insects	Early spring insect	6
Black cherry	70	●	SI	Perennial	Present	insects	Early spring insect	5
Ironwood	35	●	UNK	Perennial	Present	wind	Generalist	0
Bur oak	12	●	SI	Perennial	Present	wind	Generalist	0
Red elm	51	●●	Di	Perennial	Absent	wind	Generalist	0
Shagbark hickory	28	●	SC/si	Perennial	Present	wind	Generalist	0
Northern pin oak	-	-	SI	Perennial	Present	wind	Generalist	0
Hackberry	37	●	SC	Perennial	Absent	wind	Generalist	0
Paper birch	-	-	Di	Perennial	Present	wind	Generalist	0
Bitternut hickory	56	●	UNK	Perennial	Present	wind	Generalist	0
Box elder	67	●	D	Perennial	Absent	insects	Early spring insect	6

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