

MHn35 Northern Mesic Hardwood Forest Pollinator Resources

Mesic to dry-mesic hardwood forests on well-drained to moderately well-drained loamy soils, most often on stagnation moraines and till plains and less frequently on bedrock hills.

Examples of insect pollinators (and their associated host plants in parentheses) that use MHn35 include:

Bees:

Andrena melanochroa (Rosaceae)

Osmia laticeps (Vaccinium)

Andrena persimulata (Cornus [Swida])

Butterflies:

Satyrium titus (Prunus)

Oeneis macounii (*Oryzopsis asperifolia*)

Polygonia gracilis (Ribes)

Moths:

Amphipyra pyramidoides (*Corylus cornuta*)

Cerastis tenebrifera (*Anemone quinquefolia*)

Archiearis infans (*Betula papyrifera*)

Hemaris aethra (*Diervilla lonicera*)



Satyrium titus (coral hairstreak) uses *Prunus* (plum, cherry) species as a host plant. Photo: Bob Dunlap

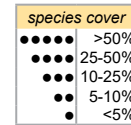


Cerastis tenebrifera (reddish speckled dart) uses *Anemone quinquefolia* (wood anemone) as a host plant. Photo: Kyle Johnson

MHn35 Northern Mesic Hardwood Forest

Pollinator Resources Table

MHn35 Class Factsheet. Based on 321 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	94	●●●	D	Perennial	Present	insects	Generalist	4
Large-leaved aster (<i>Aster macrophyllus</i>)	93	●●	A	Perennial	Present	insects	Generalist	2
Rose twistedstalk (<i>Streptopus roseus</i>)	87	●	UNK	Perennial	Present	insects	Early spring insect	4
Canada mayflower (<i>Maianthemum canadense</i>)	86	●●	SI	Perennial	Present	insects	Early spring insect	5
Wood anemone (<i>Anemone quinquefolia</i>)	74	●	UNK	Perennial	Present	insects	Early spring insect	4
Large-flowered bellwort (<i>Uvularia grandiflora</i>)	73	●●	SI	Perennial	Present	insects	Early spring insect	5
Sweet-scented bedstraw (<i>Galium triflorum</i>)	73	●	UNK	Perennial	Present	insects	Generalist	3
Bluebead lily (<i>Clintonia borealis</i>)	71	●	SI	Perennial	Present	insects	Generalist	4
Clayton's sweet cicely (<i>Osmorhiza claytonii</i>)	67	●	D	Perennial	Absent	insects	Generalist	5
Hairy Solomon's seal (<i>Polygonatum pubescens</i>)	61	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Starflower (<i>Trientalis borealis</i>)	61	●	SI/sc	Perennial	Present	insects	Generalist	3
Round-lobed hepatica (<i>Anemone americana</i>)	60	●	SC	Perennial	Present	insects	Early spring insect	3
Lady fern (<i>Athyrium filix-femina</i>)	59	●●	SC	Perennial	Present	wind, water	Generalist	0
Pale bellwort (<i>Uvularia sessilifolia</i>)	54	●	SI	Perennial	Present	insects	Early spring insect	5
Bracken (<i>Pteridium aquilinum</i>)	51	●●	SC	Perennial	Present	wind, water	Generalist	0
Rugulose or Yellow violet (<i>Viola canadensis</i> or <i>V. pubescens</i>)	50	●	Varies	Perennial	Present	insects	Varies	Varies
Dwarf raspberry (<i>Rubus pubescens</i>)	48	●	SC	Perennial	Present	insects	Generalist	2
Early meadow-rue (<i>Thalictrum dioicum</i>)	47	●	SI	Perennial	Present	wind	Generalist	0
Rattlesnake fern (<i>Botrychium virginianum</i>)	46	●	SC	Perennial	Present	wind, water	Generalist	0
Pale vetchling (<i>Lathyrus ochroleucus</i>)	40	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Maryland black snakeroot (<i>Sanicula marilandica</i>)	39	●	UNK	Perennial	Absent	insects	Generalist	4
Common strawberry (<i>Fragaria virginiana</i>)	39	●	SC	Perennial	Present	insects	Early spring insect	3
Red baneberry (<i>Actaea rubra</i>)	39	●	SC	Perennial	Present	insects	Early spring insect	3
Zigzag goldenrod (<i>Solidago flexicaulis</i>)	38	●	SI	Perennial	Present	insects	Generalist	4
Groundpine (<i>Lycopodium dendroideum</i> or <i>L. hickeyi</i>)	36	●	SC	Perennial	Present	wind, water	Generalist	0
American spikenard (<i>Aralia racemosa</i>)	35	●	UNK	Perennial	Present	insects	Generalist	3
Common false Solomon's seal (<i>Smilacina racemosa</i>)	32	●	UNK	Perennial	Present	insects	Early spring insect	4
Wild ginger (<i>Asarum canadense</i>)	23	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Veiny pea (<i>Lathyrus venosus</i>)	22	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Elliptic shinleaf (<i>Pyrola elliptica</i>)	22	●	UNK	Perennial	Present	insects	Buzz pollination	5
Lindley's aster (<i>Aster ciliolatus</i>)	21	●	UNK	Perennial	Present	insects	Generalist	3
Interrupted fern (<i>Osmunda claytoniana</i>)	16	●●	SC	Perennial	Present	wind, water	Generalist	0
Grasses and Sedges								
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	91	●●	UNK	Perennial	Absent	wind	Generalist	0
Pennsylvania sedge (<i>Carex pennsylvanica</i>)	85	●●●	SC	Perennial	Present	wind	Generalist	0
Long-stalked sedge (<i>Carex pedunculata</i>)	38	●	SC	Perennial	Present	wind	Generalist	0
Bearded shorthusk (<i>Brachyelytrum erectum</i>)	35	●	UNK	Perennial	Present	wind	Generalist	0
Drooping wood sedge (<i>Carex arctata</i>)	17	●	SC	Perennial	Present	wind	Generalist	0

Low Shrubs								
Trailing blackberries (<i>Rubus flagellaris</i> and similar <i>Rubus</i>)	14	●●	Varies	Perennial	Present	insects	Generalist	Varies
Lowbush blueberry (<i>Vaccinium angustifolium</i>)	12	●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Shrubs								
Beaked hazelnut (<i>Corylus cornuta</i>)	86	●●●	Di	Perennial	Present	wind	Generalist	0
Chokecherry (<i>Prunus virginiana</i>)	72	●	SI	Perennial	Present	insects	Early spring insect	5
Fly honeysuckle (<i>Lonicera canadensis</i>)	62	●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Pagoda dogwood (<i>Cornus alternifolia</i>)	62	●	UNK	Perennial	Present	insects	Generalist	3
Juneberries (<i>Amelanchier</i> spp.)	52	●	Varies	Perennial	Present	insects	Early spring insect	Varies
Mountain maple (<i>Acer spicatum</i>)	49	●●	SI	Perennial	Absent	insects	Early spring insect	6
Bush honeysuckle (<i>Diervilla lonicera</i>)	45	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Leatherwood (<i>Dirca palustris</i>)	42	●●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Downy arrowwood (<i>Viburnum rafinesquianum</i>)	41	●	UNK	Perennial	Present	insects	Generalist	3
Prickly gooseberry (<i>Ribes cynosbati</i>)	34	●	SI	Perennial	Present	insects	Generalist	4
Hairy honeysuckle (<i>Lonicera hirsuta</i>)	24	●	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Round-leaved dogwood (<i>Cornus rugosa</i>)	18	●	UNK	Perennial	Present	insects	Generalist	3
Tree Canopy								
Sugar maple	82	●●●●	D	Perennial	Absent	insects	Early spring insect	6
Basswood	65	●●●	SI	Perennial	Absent	insects	Generalist	5
Paper birch	61	●●●	Di	Perennial	Present	wind	Generalist	0
Northern red oak	49	●●●	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	31	●●●	D	Perennial	Present	wind	Generalist	0
Red maple	31	●●●	D	Perennial	Absent	insects	Early spring insect	6
Ironwood	24	●●	UNK	Perennial	Present	wind	Generalist	0
Big-toothed aspen	13	●●●	D	Perennial	Present	wind	Generalist	0
Bur oak	11	●●	SI	Perennial	Present	wind	Generalist	0
Yellow birch	10	●●	Di	Perennial	Present	wind	Generalist	0
Balsam fir	8	●●	UNK	Perennial	Absent	wind	Generalist	0
White spruce	-	-	UNK	Perennial	Absent	wind	Generalist	0
Tree Subcanopy								
Sugar maple	88	●●●●	D	Perennial	Absent	insects	Early spring insect	6
Basswood	52	●●●	SI	Perennial	Absent	insects	Generalist	5
Paper birch	31	●●●	Di	Perennial	Present	wind	Generalist	0
Northern red oak	25	●●	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	13	●●	D	Perennial	Present	wind	Generalist	0
Red maple	37	●●	D	Perennial	Absent	insects	Early spring insect	6
Ironwood	68	●●●	UNK	Perennial	Present	wind	Generalist	0
Big-toothed aspen	-	-	D	Perennial	Present	wind	Generalist	0
Bur oak	9	●●	SI	Perennial	Present	wind	Generalist	0
Yellow birch	8	●●	Di	Perennial	Present	wind	Generalist	0

Balsam fir	18	••	UNK	Perennial	Absent	wind	Generalist	0
White spruce	8	•	UNK	Perennial	Absent	wind	Generalist	0
<i>Tree Shrublayer</i>								
Sugar maple	93	••••	D	Perennial	Absent	insects	Early spring insect	6
Basswood	67	•	SI	Perennial	Absent	insects	Generalist	5
Paper birch	12	•	Di	Perennial	Present	wind	Generalist	0
Northern red oak	77	•	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	44	•	D	Perennial	Present	wind	Generalist	0
Red maple	60	•	D	Perennial	Absent	insects	Early spring insect	6
Ironwood	72	••	UNK	Perennial	Present	wind	Generalist	0
Big-toothed aspen	9	•	D	Perennial	Present	wind	Generalist	0
Bur oak	12	•	SI	Perennial	Present	wind	Generalist	0
Yellow birch	-	-	Di	Perennial	Present	wind	Generalist	0
Balsam fir	48	•	UNK	Perennial	Absent	wind	Generalist	0
White spruce	14	•	UNK	Perennial	Absent	wind	Generalist	0