

MHn46 Northern Wet-Mesic Hardwood Forest Pollinator Resources

Wet-mesic lowland hardwood forests on level sites with clayey subsoils or high local water tables.

Examples of insect pollinators (and their associated host plants in parentheses) that use MHn46 include:

Bees:

Hylaeus sparsus (Apiaceae)

Heriades variolosus (Asteraceae)

Colletes americanus (*Symphotrichum*)

Butterflies:

Chlosyne nycteis (*Eurybia macrophylla*)

Polygonia progne (*Ribes*)

Erynnis juvenalis (*Quercus*)

Moths:

Amphipyra pyramidoides (*Corylus cornuta*)

Cucullia asteroides (*Eurybia macrophylla*)

Plagodis kuetzingi (*Fraxinus nigra*)

Cerastis tenebrifera (*Anemone quinquefolia*)



Colletes americanus (American Cellophane Bee) uses *Symphotrichum* (American aster) species as a host plant. Photo: Michael Veit



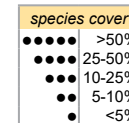
Cerastis tenebrifera (reddish speckled dart) uses *Anemone quinquefolia* (wood anemone) as a host plant.

Photo: Kyle Johnson

MHn46 Northern Wet-Mesic Hardwood Forest

Pollinator Resources Table

MHn46 Class Factsheet. Based on 72 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>)	86	●●	D	Perennial	Present	insects	Generalist	4
Lady fern (<i>Athyrium filix-femina</i>)	85	●●●	SC	Perennial	Present	wind, water	Generalist	0
Canada mayflower (<i>Maianthemum canadense</i>)	83	●	SI	Perennial	Present	insects	Early spring insect	5
Dwarf raspberry (<i>Rubus pubescens</i>)	83	●●	SC	Perennial	Present	insects	Generalist	2
Large-leaved aster (<i>Aster macrophyllus</i>)	81	●●	A	Perennial	Present	insects	Generalist	2
Sweet-scented bedstraw (<i>Galium triflorum</i>)	79	●	UNK	Perennial	Present	insects	Generalist	3
Wild ginger (<i>Asarum canadense</i>)	71	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Common strawberry (<i>Fragaria virginiana</i>)	69	●	SC	Perennial	Present	insects	Early spring insect	3
Clayton's sweet cicely (<i>Osmorhiza claytonii</i>)	65	●	D	Perennial	Absent	insects	Generalist	5
Wood anemone (<i>Anemone quinquefolia</i>)	65	●	UNK	Perennial	Present	insects	Early spring insect	4
Rose twistedstalk (<i>Streptopus roseus</i>)	64	●	UNK	Perennial	Present	insects	Early spring insect	4
Jack-in-the-pulpit (<i>Arisaema triphyllum</i>)	64	●	SI	Perennial	Present	insects	Early spring insect, Somewhat specific insect	5
Maryland black snakeroot (<i>Sanicula marilandica</i>)	64	●	UNK	Perennial	Absent	insects	Generalist	4
Red baneberry (<i>Actaea rubra</i>)	63	●	SC	Perennial	Present	insects	Early spring insect	3
Early meadow-rue (<i>Thalictrum dioicum</i>)	57	●	SI	Perennial	Present	wind	Generalist	0
Rugulose or Yellow violet (<i>Viola canadensis</i> or <i>V. pubescens</i>)	54	●	Varies	Perennial	Present	insects	Varies	Varies
Rattlesnake fern (<i>Botrychium virginianum</i>)	53	●	SC	Perennial	Present	wind, water	Generalist	0
Large-flowered bellwort (<i>Uvularia grandiflora</i>)	50	●	SI	Perennial	Present	insects	Early spring insect	5
Bluebead lily (<i>Clintonia borealis</i>)	49	●	SI	Perennial	Present	insects	Generalist	4
Starflower (<i>Trientalis borealis</i>)	49	●	SI/sc	Perennial	Present	insects	Generalist	3
Spinulose shield fern or Glandular wood fern (<i>Dryopteris</i> spp.)*	49	●	SC	Perennial	Present	wind, water	Generalist	0
Nodding trillium (<i>Trillium cernuum</i>)	43	●	A	Perennial	Present	insects	Early spring insect	3
Naked miterwort (<i>Mitella nuda</i>)	42	●	UNK	Perennial	Present	insects	Early spring insect	4
Side-flowering aster (<i>Aster lateriflorus</i>)	38	●	SI	Perennial	Present	insects	Generalist	4
Woodland horsetail (<i>Equisetum sylvaticum</i>)	35	●●	SC	Perennial	Present	wind, water	Generalist	0
Ostrich fern (<i>Matteuccia struthiopteris</i>)	33	●●●	SC	Perennial	Present	wind, water	Generalist	0
Touch-me-not (<i>Impatiens</i> spp.)	29	●	SI/SC	Annual	Absent	insects	Somewhat specific insect	6
Sensitive fern (<i>Onoclea sensibilis</i>)	28	●	SC	Perennial	Present	wind, water	Generalist	0
Palmate sweet coltsfoot (<i>Petasites frigidus</i>)	26	●	D	Perennial	Present	insects	Early spring insect	5
Hooked crowfoot (<i>Ranunculus recurvatus</i>)	24	●	SI	Perennial	Present	insects	Early spring insect	5
Wood nettle (<i>Laportea canadensis</i>)	17	●●●	UNK	Perennial	Present	wind	Generalist	0
Grasses and Sedges								
Pennsylvania sedge (<i>Carex pensylvanica</i>)	67	●●●	SC	Perennial	Present	wind	Generalist	0
Long-stalked sedge (<i>Carex pedunculata</i>)	56	●●	SC	Perennial	Present	wind	Generalist	0
Bearded shorthusk (<i>Brachyelytrum erectum</i>)	50	●	UNK	Perennial	Present	wind	Generalist	0
Graceful sedge (<i>Carex gracillima</i>)	49	●	UNK	Perennial	Present	wind	Generalist	0
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	47	●●	UNK	Perennial	Absent	wind	Generalist	0

Dewey's sedge (<i>Carex deweyana</i>)	36	●	UNK	Perennial	Present	wind	Generalist	0
Bladder sedge (<i>Carex intumescens</i>)	36	●	UNK	Perennial	Present	wind	Generalist	0
Pointed woodrush (<i>Luzula acuminata</i>)	36	●	UNK	Perennial	Present	wind	Generalist	0
Shrubs								
Beaked hazelnut (<i>Corylus cornuta</i>)	92	●●●	Di	Perennial	Present	wind	Generalist	0
Chokecherry (<i>Prunus virginiana</i>)	71	●	SI	Perennial	Present	insects	Early spring insect	5
Mountain maple (<i>Acer spicatum</i>)	67	●●●	SI	Perennial	Absent	insects	Early spring insect	6
Juneberries (<i>Amelanchier</i> spp.)	44	●	Varies	Perennial	Present	insects	Early spring insect	Varies
Swamp red currant (<i>Ribes triste</i>)	42	●	SI	Perennial	Present	insects	Generalist	4
Pagoda dogwood (<i>Cornus alternifolia</i>)	36	●	UNK	Perennial	Present	insects	Generalist	3
Highbush cranberry (<i>Viburnum trilobum</i>)	25	●	UNK	Perennial	Present	insects	Generalist	3
Nannyberry (<i>Viburnum lentago</i>)	25	●	SI	Perennial	Present	insects	Generalist	4
American hazelnut (<i>Corylus americana</i>)	24	●●●	Di	Perennial	Present	wind	Generalist	0
Tree Canopy								
Black ash	65	●●●	D	Perennial	Absent	wind	Generalist	0
Basswood	60	●●●	SI	Perennial	Absent	insects	Generalist	5
Quaking aspen	38	●●●	D	Perennial	Present	wind	Generalist	0
Paper birch	36	●●	Di	Perennial	Present	wind	Generalist	0
Bur oak	35	●●●	SI	Perennial	Present	wind	Generalist	0
Red maple	32	●●●	D	Perennial	Absent	insects	Early spring insect	6
Sugar maple	25	●●●	D	Perennial	Absent	insects	Early spring insect	6
Northern red oak	15	●●●	SI	Perennial	Present	wind	Generalist	0
Yellow birch	14	●●	Di	Perennial	Present	wind	Generalist	0
American elm	14	●	Di	Perennial	Absent	wind	Generalist	0
Green ash	14	●●●	D	Perennial	UNK	wind	Generalist	0
White spruce	11	●●	UNK	Perennial	Absent	wind	Generalist	0
Balsam fir	11	●●●	UNK	Perennial	Absent	wind	Generalist	0
White cedar	8	●●●	UNK	Perennial	Absent	wind	Generalist	0
Big-toothed aspen	-	-	D	Perennial	Present	wind	Generalist	0
Balsam poplar	-	-	D	Perennial	Present	wind	Generalist	0
Tree Subcanopy								
Black ash	58	●●●	D	Perennial	Absent	wind	Generalist	0
Basswood	56	●●	SI	Perennial	Absent	insects	Generalist	5
Quaking aspen	17	●●●	D	Perennial	Present	wind	Generalist	0
Paper birch	21	●●	Di	Perennial	Present	wind	Generalist	0
Bur oak	26	●	SI	Perennial	Present	wind	Generalist	0
Sugar maple	46	●●●	D	Perennial	Absent	insects	Early spring insect	6
Northern red oak	15	●	SI	Perennial	Present	wind	Generalist	0
Yellow birch	8	●	Di	Perennial	Present	wind	Generalist	0
American elm	40	●●	Di	Perennial	Absent	wind	Generalist	0

Green ash	22	••	D	Perennial	UNK	wind	Generalist	0
White spruce	13	•	UNK	Perennial	Absent	wind	Generalist	0
Balsam fir	17	•	UNK	Perennial	Absent	wind	Generalist	0
White cedar	-	-	UNK	Perennial	Absent	wind	Generalist	0
Big-toothed aspen	8	••	D	Perennial	Present	wind	Generalist	0
Balsam poplar	-	-	D	Perennial	Present	wind	Generalist	0
Tree Shrub Layer								
Black ash	71	••	D	Perennial	Absent	wind	Generalist	0
Basswood	63	•	SI	Perennial	Absent	insects	Generalist	5
Quaking aspen	38	•	D	Perennial	Present	wind	Generalist	0
Paper birch	11	•	Di	Perennial	Present	wind	Generalist	0
Bur oak	43	•	SI	Perennial	Present	wind	Generalist	0
Red maple	60	•	D	Perennial	Absent	insects	Early spring insect	6
Sugar maple	53	•••	D	Perennial	Absent	insects	Early spring insect	6
Northern red oak	46	•	SI	Perennial	Present	wind	Generalist	0
Yellow birch	-	-	Di	Perennial	Present	wind	Generalist	0
American elm	44	•	Di	Perennial	Absent	wind	Generalist	0
Green ash	31	••	D	Perennial	UNK	wind	Generalist	0
White spruce	14	•	UNK	Perennial	Absent	wind	Generalist	0
Balsam fir	35	•	UNK	Perennial	Absent	wind	Generalist	0
White cedar	-	-	UNK	Perennial	Absent	wind	Generalist	0
Big-toothed aspen	-	-	D	Perennial	Present	wind	Generalist	0
Balsam poplar	8	•	D	Perennial	Present	wind	Generalist	0

* Spinulose shield fern or Glandular wood fern (*Dryopteris carthusiana* or *D. intermedia*)