

## MHw36 Northwestern Wet-Mesic Hardwood Forest Pollinator Resources

Wet-mesic hardwood forests on somewhat poorly drained, fire-protected sites on alluvial deposits along rivers draining the Glacial Lake Agassiz plain and on broad flats associated with shoreline features of Glacial Lake Agassiz.

Examples of insect pollinators (and their associated host plants in parentheses) that use MHw36 include:

**Bees:**

*Andrena melanochroa* (Rosaceae)

*Andrena platyparia* (Cornus [Swida])

*Andrena placata* (Solidago)

**Butterflies:**

*Satyrium edwardsii* (Quercus)

*Polygonia progne* (Ribes)

*Oeneis macounii* (*Oryzopsis asperifolia*)

**Moths:**

*Caloptilia negundella* (*Acer negundo*)

*Cycnia tenera* (*Apocynum androsaemifolium*)

*Ceratomia amyntor* (*Ulmus americana*)

*Mesoleuca ruficillata* (*Rubus idaeus* var. *strigosus*)



*Andrena placata* (peaceful miner bee) uses *Solidago* (goldenrod) species as a host plant.

Photo: Michael Veit

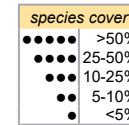


*Satyrium edwardsii* (Edwards' hairstreak) uses *Quercus* (oak) species as a host plant. Photo: Bob Dunlap

# MHw36 Northwestern Wet-Mesic Hardwood Forest

## Pollinator Resources Table

MHw36 Class Factsheet. Based on 6 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Canada mayflower ( <i>Maianthemum canadense</i> )	100	●	SI	Perennial	Present	insects	Early spring insect	5
Maryland black snakeroot ( <i>Sanicula marilandica</i> )	100	●	UNK	Perennial	Absent	insects	Generalist	4
Sweet-scented bedstraw ( <i>Galium triflorum</i> )	83	●	UNK	Perennial	Present	insects	Generalist	3
Spreading dogbane ( <i>Apocynum androsaemifolium</i> )	83	●	SI	Perennial	Present	insects	Generalist	4
Dwarf raspberry ( <i>Rubus pubescens</i> )	83	●	SC	Perennial	Present	insects	Generalist	2
Red baneberry ( <i>Actaea rubra</i> )	83	●	SC	Perennial	Present	insects	Early spring insect	3
Nodding trillium ( <i>Trillium cernuum</i> )	83	●	A	Perennial	Present	insects	Early spring insect	3
Rattlesnake fern ( <i>Botrychium virginianum</i> )	67	●	SC	Perennial	Present	wind, water	Generalist	0
Clayton's sweet cicely ( <i>Osmorhiza claytonii</i> )	67	●	D	Perennial	Absent	insects	Generalist	5
Wild sarsaparilla ( <i>Aralia nudicaulis</i> )	67	●●●	D	Perennial	Present	insects	Generalist	4
Lopseed ( <i>Phryma leptostachya</i> )	67	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Starry false Solomon's seal ( <i>Smilacina stellata</i> )	67	●	UNK	Perennial	Present	insects	Early spring insect	4
Early meadow-rue ( <i>Thalictrum dioicum</i> )	50	●●	SI	Perennial	Present	wind	Generalist	0
Lindley's aster ( <i>Aster ciliolatus</i> )	50	●	UNK	Perennial	Present	insects	Generalist	3
Common strawberry ( <i>Fragaria virginiana</i> )	50	●	SC	Perennial	Present	insects	Early spring insect	3
Veiny meadow-rue ( <i>Thalictrum venulosum</i> )	50	●●	D	Perennial	Present	wind	Generalist	0
Erect or Smooth carrion-flower ( <i>Smilax ecirrata</i> or <i>S. herbacea</i> )	50	●	D	Perennial	Present	insects	Somewhat specific insect	5
Bracken ( <i>Pteridium aquilinum</i> )	50	●●●	SC	Perennial	Present	wind, water	Generalist	0
Tall coneflower ( <i>Rudbeckia laciniata</i> )	50	●	SC	Perennial	Present	insects	Generalist	2
Veiny pea ( <i>Lathyrus venosus</i> )	50	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Flat-topped aster ( <i>Aster umbellatus</i> )	33	●	UNK	Perennial	Present	insects	Generalist	3
Common enchanter's nightshade ( <i>Circaea lutetiana</i> )	33	●	SC	Perennial	Present	insects	Generalist	2
Northern bedstraw ( <i>Galium boreale</i> )	33	●	SI	Perennial	Present	insects	Generalist	4
Pale vetchling ( <i>Lathyrus ochroleucus</i> )	33	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Virginia thimbleweed ( <i>Anemone virginiana</i> )	33	●	UNK	Perennial	Present	insects	Generalist	3
Columbine ( <i>Aquilegia canadensis</i> )	33	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Common false Solomon's seal ( <i>Smilacina racemosa</i> )	33	●	UNK	Perennial	Present	insects	Early spring insect	4
Canada goldenrod ( <i>Solidago canadensis</i> )	33	●	SI	Perennial	Present	insects	Generalist	4
Rugulose or Yellow violet ( <i>Viola canadensis</i> or <i>V. pubescens</i> )	33	●	Varies	Perennial	Present	insects	Varies	Varies
Giant goldenrod ( <i>Solidago gigantea</i> )	33	●	GM	Perennial	Present	insects	Generalist	4
Giant Solomon's seal ( <i>Polygonatum biflorum</i> )	33	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Tall meadow-rue ( <i>Thalictrum dasycarpum</i> )	33	●	D	Perennial	Present	wind	Generalist	0
Hispid buttercup ( <i>Ranunculus hispidus</i> )	33	●	SI	Perennial	Present	insects	Early spring insect	5
Rose twistedstalk ( <i>Streptopus roseus</i> )	33	●	UNK	Perennial	Present	insects	Early spring insect	4
Wild ginger ( <i>Asarum canadense</i> )	17	●●●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
<b>Grasses and Sedges</b>								
Pennsylvania sedge ( <i>Carex pensylvanica</i> )	83	●●●●	SC	Perennial	Present	wind	Generalist	0

<b>Grasses and Sedges</b>								
Nodding fescue ( <i>Festuca subverticillata</i> )	33	●	UNK	Perennial	Absent	wind	Generalist	0
Mountain rice grass ( <i>Oryzopsis asperifolia</i> )	33	●●	UNK	Perennial	Absent	wind	Generalist	0
<b>Climbing Plants</b>								
Wild honeysuckle ( <i>Lonicera dioica</i> )	50	●	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Virginia creeper ( <i>Parthenocissus</i> spp.)	50	●●●	SC	Perennial	Present	insects	Generalist	2
<b>Low shrubs</b>								
Poison ivy ( <i>Toxicodendron rydbergii</i> )	83	●●	D	Perennial	Present	insects	Generalist	4
Red raspberry ( <i>Rubus idaeus</i> )	67	●	SC	Perennial	Present	insects	Generalist	2
<b>Shrubs</b>								
Juneberries ( <i>Amelanchier</i> spp.)	100	●	Varies	Perennial	Present	insects	Early spring insect	Varies
Downy arrowwood ( <i>Viburnum rafinesquianum</i> )	83	●●	UNK	Perennial	Present	insects	Generalist	3
Gray dogwood ( <i>Cornus racemosa</i> )	67	●●●	UNK	Perennial	Present	insects	Generalist	3
Highbush cranberry ( <i>Viburnum trilobum</i> )	67	●	UNK	Perennial	Present	insects	Generalist	3
Beaked hazelnut ( <i>Corylus cornuta</i> )	67	●●●●	Di	Perennial	Present	wind	Generalist	0
Wild black currant ( <i>Ribes americanum</i> )	33	●	SI	Perennial	Present	insects	Generalist	4
Prickly gooseberry ( <i>Ribes cynosbati</i> )	33	●	SI	Perennial	Present	insects	Generalist	4
Chokecherry ( <i>Prunus virginiana</i> )	33	●	SI	Perennial	Present	insects	Early spring insect	5
Nannyberry ( <i>Viburnum lentago</i> )	33	●	SI	Perennial	Present	insects	Generalist	4
American hazelnut ( <i>Corylus americana</i> )	17	●●●●	Di	Perennial	Present	wind	Generalist	0
<b>Tree Canopy</b>								
Quaking aspen	67	●●●	D	Perennial	Present	wind	Generalist	0
Bur oak	50	●●●●	SI	Perennial	Present	wind	Generalist	0
American elm	33	●●●	Di	Perennial	Absent	wind	Generalist	0
Green ash	33	●●	D	Perennial	UNK	wind	Generalist	0
Basswood	33	●●●●●	SI	Perennial	Absent	insects	Generalist	5
Balsam poplar	17	●	D	Perennial	Present	wind	Generalist	0
Cottonwood	17	●	D	Perennial	Present	wind	Generalist	0
Box elder	-	-	D	Perennial	Absent	insects	Early spring insect	6
Black ash	-	-	D	Perennial	Absent	wind	Generalist	0
Ironwood	-	-	UNK	Perennial	Present	wind	Generalist	0
<b>Tree Subcanopy</b>								
Quaking aspen	33	●	D	Perennial	Present	wind	Generalist	0
Bur oak	33	●●●	SI	Perennial	Present	wind	Generalist	0
American elm	50	●●	Di	Perennial	Absent	wind	Generalist	0
Green ash	67	●●●	D	Perennial	UNK	wind	Generalist	0
Basswood	-	-	SI	Perennial	Absent	insects	Generalist	5
Balsam poplar	33	●	D	Perennial	Present	wind	Generalist	0
Cottonwood	-	-	D	Perennial	Present	wind	Generalist	0
Box elder	67	●●	D	Perennial	Absent	insects	Early spring insect	6

Black ash	17	•	D	Perennial	Absent	wind	Generalist	0
Ironwood	17	•••	UNK	Perennial	Present	wind	Generalist	0
<b><i>Tree Shrub Layer</i></b>								
Quaking aspen	50	•	D	Perennial	Present	wind	Generalist	0
Bur oak	67	•	SI	Perennial	Present	wind	Generalist	0
American elm	83	•	Di	Perennial	Absent	wind	Generalist	0
Green ash	33	•	D	Perennial	UNK	wind	Generalist	0
Basswood	33	•	SI	Perennial	Absent	insects	Generalist	5
Balsam poplar	33	•	D	Perennial	Present	wind	Generalist	0
Cottonwood	-	-	D	Perennial	Present	wind	Generalist	0
Box elder	50	•	D	Perennial	Absent	insects	Early spring insect	6
Black ash	17	•	D	Perennial	Absent	wind	Generalist	0
Ironwood	-	-	UNK	Perennial	Present	wind	Generalist	0