

## MHn44 Northern Wet-Mesic Boreal Hardwood-Conifer Forest Pollinator Resources

Wet-mesic or mesic hardwood and hardwood-conifer forests, most commonly on level, clayey sites with high local water tables on glacial lake deposits, stagnation moraines, and till plains.

Examples of insect pollinators (and their associated host plants in parentheses) that use MHn44 include:

**Bees:**

*Hylaeus sparsus* (Apiaceae)

*Osmia inermis* (Vaccinium)

*Andrena persimulata* (Cornus [Swida])

**Butterflies:**

*Satyrium titus* (Prunus)

*Chlosyne nycteis* (*Eurybia macrophylla*)

*Oeneis macounii* (*Oryzopsis asperifolia*)

*Euphyes dion* (Carex)

**Moths:**

*Amphipyra pyramidoides* (*Corylus cornuta*)

*Lithophane innominata* (*Acer saccharum*)

*Choristoneura fumiferana* (*Abies balsamea*)



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

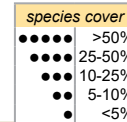


*Oeneis macounii* (Canada Arctic) uses *Oryzopsis asperifolia* (roughleaf ricegrass) as a host plant. Photo: Kyle Johnson

# MHn44 Northern Wet-Mesic Boreal Hardwood Conifer Forest

## Pollinator Resources Table

MHn44 Class Factsheet. Based on 153 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> )	95	●	SI	Perennial	Present	insects	Early spring insect	5
Wild sarsaparilla ( <i>Aralia nudicaulis</i> )	93	●●●	D	Perennial	Present	insects	Generalist	4
Sweet-scented bedstraw ( <i>Galium triflorum</i> )	85	●	UNK	Perennial	Present	insects	Generalist	3
Dwarf raspberry ( <i>Rubus pubescens</i> )	85	●●	SC	Perennial	Present	insects	Generalist	2
Large-leaved aster ( <i>Aster macrophyllus</i> )	84	●●●	A	Perennial	Present	insects	Generalist	2
Rose twistedstalk ( <i>Streptopus roseus</i> )	79	●	UNK	Perennial	Present	insects	Early spring insect	4
Common strawberry ( <i>Fragaria virginiana</i> )	75	●	SC	Perennial	Present	insects	Early spring insect	3
Red baneberry ( <i>Actaea rubra</i> )	74	●	SC	Perennial	Present	insects	Early spring insect	3
Wood anemone ( <i>Anemone quinquefolia</i> )	73	●	UNK	Perennial	Present	insects	Early spring insect	4
Lady fern ( <i>Athyrium filix-femina</i> )	71	●●	SC	Perennial	Present	wind, water	Generalist	0
Bluebead lily ( <i>Clintonia borealis</i> )	69	●	SI	Perennial	Present	insects	Generalist	4
Clayton's sweet cicely ( <i>Osmorhiza claytonii</i> )	68	●	D	Perennial	Absent	insects	Generalist	5
Bunchberry ( <i>Cornus canadensis</i> )	66	●	SI	Perennial	Present	insects	Generalist	4
Maryland black snakeroot ( <i>Sanicula marilandica</i> )	64	●	UNK	Perennial	Absent	insects	Generalist	4
Starflower ( <i>Trientalis borealis</i> )	64	●	SI/sc	Perennial	Present	insects	Generalist	3
Wild ginger ( <i>Asarum canadense</i> )	62	●●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Bracken ( <i>Pteridium aquilinum</i> )	61	●●	SC	Perennial	Present	wind, water	Generalist	0
Early meadow-rue ( <i>Thalictrum dioicum</i> )	59	●	SI	Perennial	Present	wind	Generalist	0
Naked miterwort ( <i>Mitella nuda</i> )	55	●	UNK	Perennial	Present	insects	Early spring insect	4
Palmate sweet coltsfoot ( <i>Petasites frigidus</i> )	49	●	D	Perennial	Present	insects	Early spring insect	5
Round-lobed hepatica ( <i>Anemone americana</i> )	42	●	SC	Perennial	Present	insects	Early spring insect	3
Spinulose shield fern or Glandular wood fern ( <i>Dryopteris</i> spp.)*	41	●	SC	Perennial	Present	wind, water	Generalist	0
Lindley's aster ( <i>Aster ciliolatus</i> )	40	●	UNK	Perennial	Present	insects	Generalist	3
Pale vetchling ( <i>Lathyrus ochroleucus</i> )	37	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Rattlesnake fern ( <i>Botrychium virginianum</i> )	37	●	SC	Perennial	Present	wind, water	Generalist	0
Pale bellwort ( <i>Uvularia sessilifolia</i> )	34	●	SI	Perennial	Present	insects	Early spring insect	5
Large-flowered bellwort ( <i>Uvularia grandiflora</i> )	31	●●	SI	Perennial	Present	insects	Early spring insect	5
Nodding trillium ( <i>Trillium cernuum</i> )	31	●	A	Perennial	Present	insects	Early spring insect	3
Woodland horsetail ( <i>Equisetum sylvaticum</i> )	29	●	SC	Perennial	Present	wind, water	Generalist	0
Side-flowering aster ( <i>Aster lateriflorus</i> )	29	●	SI	Perennial	Present	insects	Generalist	4
<b>Grasses and Sedges</b>								
Mountain rice grass ( <i>Oryzopsis asperifolia</i> )	73	●●	UNK	Perennial	Absent	wind	Generalist	0
Pennsylvania sedge ( <i>Carex pennsylvanica</i> )	72	●●●	SC	Perennial	Present	wind	Generalist	0
Long-stalked sedge ( <i>Carex pedunculata</i> )	63	●●	SC	Perennial	Present	wind	Generalist	0
Bearded shorthusk ( <i>Brachyelytrum erectum</i> )	41	●	UNK	Perennial	Present	wind	Generalist	0
Pointed woodrush ( <i>Luzula acuminata</i> )	33	●	UNK	Perennial	Present	wind	Generalist	0
Drooping wood sedge ( <i>Carex arctata</i> )	27	●	SC	Perennial	Present	wind	Generalist	0

Graceful sedge ( <i>Carex gracillima</i> )	26	●	UNK	Perennial	Present	wind	Generalist	0
Bladder sedge ( <i>Carex intumescens</i> )	20	●	UNK	Perennial	Present	wind	Generalist	0
<b>Low Shrubs</b>								
Red raspberry ( <i>Rubus idaeus</i> )	29	●	SC	Perennial	Present	insects	Generalist	2
Lowbush blueberry ( <i>Vaccinium angustifolium</i> )	18	●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
<b>Shrubs</b>								
Beaked hazelnut ( <i>Corylus cornuta</i> )	86	●●●	Di	Perennial	Present	wind	Generalist	0
Chokecherry ( <i>Prunus virginiana</i> )	67	●	SI	Perennial	Present	insects	Early spring insect	5
Bush honeysuckle ( <i>Diervilla lonicera</i> )	62	●●	SC	Perennial	Present	insects	Somewhat specific insect	3
Juneberries ( <i>Amelanchier</i> spp.)	58	●	Varies	Perennial	Present	insects	Early spring insect	Varies
Mountain maple ( <i>Acer spicatum</i> )	58	●●●	SI	Perennial	Absent	insects	Early spring insect	6
Fly honeysuckle ( <i>Lonicera canadensis</i> )	56	●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Downy arrowwood ( <i>Viburnum rafinesquianum</i> )	52	●	UNK	Perennial	Present	insects	Generalist	3
Prickly gooseberry ( <i>Ribes cynosbati</i> )	44	●	SI	Perennial	Present	insects	Generalist	4
Pagoda dogwood ( <i>Cornus alternifolia</i> )	37	●	UNK	Perennial	Present	insects	Generalist	3
<b>Tree Canopy</b>								
Quaking aspen	70	●●●●	D	Perennial	Present	wind	Generalist	0
Paper birch	65	●●	Di	Perennial	Present	wind	Generalist	0
Balsam fir	41	●●●	UNK	Perennial	Absent	wind	Generalist	0
White spruce	31	●●●	UNK	Perennial	Absent	wind	Generalist	0
Red maple	27	●●●	D	Perennial	Absent	insects	Early spring insect	6
Black ash	22	●●	D	Perennial	Absent	wind	Generalist	0
Basswood	20	●●●	SI	Perennial	Absent	insects	Generalist	5
Bur oak	16	●●	SI	Perennial	Present	wind	Generalist	0
White pine	15	●●●	SI	Perennial	Absent	wind	Generalist	0
Balsam poplar	12	●●●	D	Perennial	Present	wind	Generalist	0
Sugar maple	10	●●●	D	Perennial	Absent	insects	Early spring insect	6
Green ash	10	●	D	Perennial	UNK	wind	Generalist	0
White cedar	9	●●●●	UNK	Perennial	Absent	wind	Generalist	0
Northern red oak	8	●●●	SI	Perennial	Present	wind	Generalist	0
<b>Tree Subcanopy</b>								
Quaking aspen	40	●●	D	Perennial	Present	wind	Generalist	0
Paper birch	36	●	Di	Perennial	Present	wind	Generalist	0
Balsam fir	49	●●●	UNK	Perennial	Absent	wind	Generalist	0
White spruce	23	●●	UNK	Perennial	Absent	wind	Generalist	0
Red maple	28	●●●	D	Perennial	Absent	insects	Early spring insect	6
Black ash	48	●●	D	Perennial	Absent	wind	Generalist	0
Basswood	19	●●	SI	Perennial	Absent	insects	Generalist	5
Bur oak	18	●●	SI	Perennial	Present	wind	Generalist	0
White pine	-	-	SI	Perennial	Absent	wind	Generalist	0

Balsam poplar	9	••	D	Perennial	Present	wind	Generalist	0
Sugar maple	18	•••	D	Perennial	Absent	insects	Early spring insect	6
Green ash	16	••	D	Perennial	UNK	wind	Generalist	0
White cedar	-	-	UNK	Perennial	Absent	wind	Generalist	0
Northern red oak	-	-	SI	Perennial	Present	wind	Generalist	0
<b>Tree Shrub Layer</b>								
Quaking aspen	59	•	D	Perennial	Present	wind	Generalist	0
Paper birch	22	•	Di	Perennial	Present	wind	Generalist	0
Balsam fir	60	•	UNK	Perennial	Absent	wind	Generalist	0
White spruce	25	•	UNK	Perennial	Absent	wind	Generalist	0
Red maple	48	•	D	Perennial	Absent	insects	Early spring insect	6
Black ash	60	••	D	Perennial	Absent	wind	Generalist	0
Basswood	28	•	SI	Perennial	Absent	insects	Generalist	5
Bur oak	25	•	SI	Perennial	Present	wind	Generalist	0
White pine	-	-	SI	Perennial	Absent	wind	Generalist	0
Balsam poplar	18	•	D	Perennial	Present	wind	Generalist	0
Sugar maple	28	••	D	Perennial	Absent	insects	Early spring insect	6
Green ash	33	••	D	Perennial	UNK	wind	Generalist	0
White cedar	-	-	UNK	Perennial	Absent	wind	Generalist	0
Northern red oak	27	•	SI	Perennial	Present	wind	Generalist	0

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