

## MHc26 Central Dry-Mesic Oak-Aspen Forest Pollinator Resources

Dry-mesic hardwood or, rarely, hardwood-conifer forests, usually with northern red oak as a canopy dominant. Present on well-drained loamy or sandy soils, primarily on stagnation moraines and less frequently on till plains or glacial river terraces.

**Examples of insect pollinators (and their associated host plants in parentheses) that use MHc26 include:**

**Bees:**

*Hylaeus sparsus* (Apiaceae)

*Osmia virga* (Vaccinium)

*Andrena wilkella* (Fabaceae)

**Butterflies:**

*Phyciodes tharos* (*Eurybia macrophylla*)

*Erynnis juvenalis* (*Quercus*)

*Satyrium titus* (*Prunus*)

**Moths:**

*Cucullia asteroides* (*Eurybia macrophylla*)

*Amphipyra pyramidoides* (*Corylus cornuta*)

*Macrosaccus morrisella* (*Amphicarpaea bracteata*)

*Cerastis tenebrifera* (*Anemone quinquefolia*)



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

Photo: Michael Veit

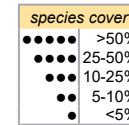


*Erynnis juvenalis* (Juvenal's duskywing) uses *Quercus* (oak) species as a host plant. Photo: Bob Dunlap

# MHc26 Central Dry-Mesic Oak-Aspen Forest

## Pollinator Resources Table

MHc26 Class Factsheet. Based on 157 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Large-leaved aster ( <i>Aster macrophyllus</i> )	97	●●●	A	Perennial	Present	insects	Generalist	2
Bracken ( <i>Pteridium aquilinum</i> )	90	●●	SC	Perennial	Present	wind, water	Generalist	0
Wild sarsaparilla ( <i>Aralia nudicaulis</i> )	89	●●	D	Perennial	Present	insects	Generalist	4
Early meadow-rue ( <i>Thalictrum dioicum</i> )	82	●	SI	Perennial	Present	wind	Generalist	0
Hog peanut ( <i>Amphicarpaea bracteata</i> )	76	●●	CH and CL flowers	Annual	Present	insects	Somewhat specific insect	6
Canada mayflower ( <i>Maianthemum canadense</i> )	71	●	SI	Perennial	Present	insects	Early spring insect	5
Large-flowered bellwort ( <i>Uvularia grandiflora</i> )	71	●	SI	Perennial	Present	insects	Early spring insect	5
Wood anemone ( <i>Anemone quinquefolia</i> )	70	●	UNK	Perennial	Present	insects	Early spring insect	4
Pale bellwort ( <i>Uvularia sessilifolia</i> )	69	●	SI	Perennial	Present	insects	Early spring insect	5
Maryland black snakeroot ( <i>Sanicula marilandica</i> )	67	●	UNK	Perennial	Absent	insects	Generalist	4
Clayton's sweet cicely ( <i>Osmorhiza claytonii</i> )	59	●	D	Perennial	Absent	insects	Generalist	5
Hairy Solomon's seal ( <i>Polygonatum pubescens</i> )	57	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Common false Solomon's seal ( <i>Smilacina racemosa</i> )	55	●	UNK	Perennial	Present	insects	Early spring insect	4
Rose twistedstalk ( <i>Streptopus roseus</i> )	54	●	UNK	Perennial	Present	insects	Early spring insect	4
Sweet-scented bedstraw ( <i>Galium triflorum</i> )	52	●	UNK	Perennial	Present	insects	Generalist	3
Common strawberry ( <i>Fragaria virginiana</i> )	50	●	SC	Perennial	Present	insects	Early spring insect	3
Pale vetchling ( <i>Lathyrus ochroleucus</i> )	49	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Pointed-leaved tick trefoil ( <i>Desmodium glutinosum</i> )	48	●	UNK	Perennial	Absent	insects	Somewhat specific insect	5
Round-lobed hepatica ( <i>Anemone americana</i> )	47	●	SC	Perennial	Present	insects	Early spring insect	3
Rugulose or Yellow violet ( <i>Viola canadensis</i> or <i>V. pubescens</i> )	46	●	Varies	Perennial	Present	insects	Varies	Varies
Dwarf raspberry ( <i>Rubus pubescens</i> )	38	●	SC	Perennial	Present	insects	Generalist	2
Lady fern ( <i>Athyrium filix-femina</i> )	38	●	SC	Perennial	Present	wind, water	Generalist	0
Starflower ( <i>Trientalis borealis</i> )	34	●	SI/sc	Perennial	Present	insects	Generalist	3
Spreading dogbane ( <i>Apocynum androsaemifolium</i> )	31	●	SI	Perennial	Present	insects	Generalist	4
Lindley's aster ( <i>Aster ciliolatus</i> )	30	●	UNK	Perennial	Present	insects	Generalist	3
Large-flowered trillium ( <i>Trillium grandiflorum</i> )	29	●	SC	Perennial	Present	insects	Early spring insect	3
Veiny pea ( <i>Lathyrus venosus</i> )	29	●	SI	Perennial	Present	insects	Somewhat specific insect	5
<b>Grasses and Sedges</b>								
Pennsylvania sedge ( <i>Carex pennsylvanica</i> )	91	●●●	SC	Perennial	Present	wind	Generalist	0
Mountain rice grass ( <i>Oryzopsis asperifolia</i> )	73	●●	UNK	Perennial	Absent	wind	Generalist	0
Bearded shorthusk ( <i>Brachyelytrum erectum</i> )	24	●	UNK	Perennial	Present	wind	Generalist	0
<b>Climbing Plants</b>								
Virginia creeper ( <i>Parthenocissus</i> spp.)	26	●	SC	Perennial	Present	insects	Generalist	2
Wild honeysuckle ( <i>Lonicera dioica</i> )	24	●	SC	Perennial	Weakly	insects	Somewhat specific insect	3
<b>Low Shrubs</b>								
Lowbush blueberry ( <i>Vaccinium angustifolium</i> )	43	●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Tall blackberries ( <i>Rubus allegheniensis</i> and similar <i>Rubus</i> spp.)	24	●	Varies	Perennial	Present	insects	Generalist	Varies

Tall Shrubs								
Beaked hazelnut ( <i>Corylus cornuta</i> )	92	●●●●	Di	Perennial	Present	wind	Generalist	0
Downy arrowwood ( <i>Viburnum rafinesquianum</i> )	78	●●	UNK	Perennial	Present	insects	Generalist	3
Chokecherry ( <i>Prunus virginiana</i> )	78	●	SI	Perennial	Present	insects	Early spring insect	5
Juneberries ( <i>Amelanchier</i> spp.)	75	●	Varies	Perennial	Present	insects	Early spring insect	Varies
Bush honeysuckle ( <i>Diervilla lonicera</i> )	65	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Pagoda dogwood ( <i>Cornus alternifolia</i> )	61	●	UNK	Perennial	Present	insects	Generalist	3
Poison ivy ( <i>Toxicodendron rydbergii</i> )	46	●	D	Perennial	Present	insects	Generalist	4
Round-leaved dogwood ( <i>Cornus rugosa</i> )	41	●●●	UNK	Perennial	Present	insects	Generalist	3
Prickly gooseberry ( <i>Ribes cynosbati</i> )	38	●	SI	Perennial	Present	insects	Generalist	4
Fly honeysuckle ( <i>Lonicera canadensis</i> )	32	●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Hairy honeysuckle ( <i>Lonicera hirsuta</i> )	24	●	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Gray dogwood ( <i>Cornus racemosa</i> )	21	●	UNK	Perennial	Present	insects	Generalist	3
American hazelnut ( <i>Corylus americana</i> )	18	●●●	Di	Perennial	Present	wind	Generalist	0
Tree Canopy								
Northern red oak	82	●●●●	SI	Perennial	Present	wind	Generalist	0
Paper birch	59	●●●	Di	Perennial	Present	wind	Generalist	0
Basswood	45	●●●	SI	Perennial	Absent	insects	Generalist	5
Red maple	43	●●●	D	Perennial	Absent	insects	Early spring insect	6
Quaking aspen	41	●●●	D	Perennial	Present	wind	Generalist	0
Sugar maple	29	●●●	D	Perennial	Absent	insects	Early spring insect	6
Bur oak	28	●●●	SI	Perennial	Present	wind	Generalist	0
Big-toothed aspen	25	●●●	D	Perennial	Present	wind	Generalist	0
Green ash	11	●●	D	Perennial	UNK	wind	Generalist	0
White pine	10	●●●	SI	Perennial	Absent	wind	Generalist	0
Red pine	10	●●●	UNK	Perennial	Absent	wind	Generalist	0
Ironwood	10	●●	UNK	Perennial	Present	wind	Generalist	0
White oak	9	●●●	SI	Perennial	Present	wind	Generalist	0
Blue beech	-	-	UNK	Perennial	Present	wind	Generalist	0
Black cherry	-	-	SI	Perennial	Present	insects	Early spring insect	5
Tree Subcanopy								
Northern red oak	36	●●	SI	Perennial	Present	wind	Generalist	0
Paper birch	25	●●	Di	Perennial	Present	wind	Generalist	0
Basswood	46	●●	SI	Perennial	Absent	insects	Generalist	5
Red maple	59	●●●	D	Perennial	Absent	insects	Early spring insect	6
Quaking aspen	20	●	D	Perennial	Present	wind	Generalist	0
Sugar maple	62	●●●	D	Perennial	Absent	insects	Early spring insect	6
Bur oak	18	●	SI	Perennial	Present	wind	Generalist	0
Big-toothed aspen	8	●●	D	Perennial	Present	wind	Generalist	0
Green ash	22	●	D	Perennial	UNK	wind	Generalist	0

White pine	-	-	SI	Perennial	Absent	wind	Generalist	0
Red pine	-	-	UNK	Perennial	Absent	wind	Generalist	0
Ironwood	62	●●●	UNK	Perennial	Present	wind	Generalist	0
White oak	-	-	SI	Perennial	Present	wind	Generalist	0
Blue beech	13	●	UNK	Perennial	Present	wind	Generalist	0
Black cherry	12	●	SI	Perennial	Present	insects	Early spring insect	5
<b>Tree Shrub Layer</b>								
Northern red oak	82	●	SI	Perennial	Present	wind	Generalist	0
Paper birch	11	●	Di	Perennial	Present	wind	Generalist	0
Basswood	52	●	SI	Perennial	Absent	insects	Generalist	5
Red maple	78	●	D	Perennial	Absent	insects	Early spring insect	6
Quaking aspen	46	●	D	Perennial	Present	wind	Generalist	0
Sugar maple	61	●●	D	Perennial	Absent	insects	Early spring insect	6
Bur oak	20	●	SI	Perennial	Present	wind	Generalist	0
Big-toothed aspen	18	●	D	Perennial	Present	wind	Generalist	0
Green ash	41	●	D	Perennial	UNK	wind	Generalist	0
White pine	15	●	SI	Perennial	Absent	wind	Generalist	0
Red pine	-	-	UNK	Perennial	Absent	wind	Generalist	0
Ironwood	56	●●	UNK	Perennial	Present	wind	Generalist	0
White oak	8	●	SI	Perennial	Present	wind	Generalist	0
Blue beech	15	●●	UNK	Perennial	Present	wind	Generalist	0
Black cherry	53	●	SI	Perennial	Present	insects	Early spring insect	5