

FDw34 Northwestern Mesic Aspen-Oak Woodland Pollinator Resources

Mesic woodlands dominated by quaking aspen and bur oak with occasional jack pine. Present on level, sandy soils, occasionally capped with loamy sediment, on the Glacial Lake Agassiz plain. Moderate surface fires were common historically, and catastrophic fires occasional.

Examples of insect pollinators (and their associated host plants in parentheses) that use FDw34 include:

Bees:

Andrena ziziae (*Zizia*)

Macropis nuda (*Lysimachia*)

Andrena sigmundi (*Salix*)

Butterflies:

Erynnis icelus (*Populus tremuloides*)

Polygonia progne (*Ribes*)

Boloria chariclea (*Salix*)

Moths:

Hemileuca nevadensis (*Populus tremuloides*)

Phyllonorycter apparella (*Populus tremuloides*,

Chlorochlamys chloroleucaria (*Achillea millefolium*)

Eugonobapta nivosaria (*Thalictrum dasycarpum*)



Macropis nuda uses native *Lysimachia* (loosestrife) species as a host plant. Photo: Max McCarthy



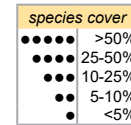
Chlorochlamys chloroleucaria (blackberry looper) uses *Achillea millefolium* (yarrow) as a host plant.

Photo: Bob Dunlap

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Pollinator Resources Table

FDw34 Class Factsheet. Based on 18plots. November, 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
American vetch (<i>Vicia americana</i>)	100	•	SI	Perennial	Present	insects	Somewhat specific insect	5
Canada mayflower (<i>Maianthemum canadense</i>)	94	•••	SI	Perennial	Present	insects	Early spring insect	5
Lindley's aster (<i>Aster ciliolatus</i>)	94	••	UNK	Perennial	Present	insects	Generalist	3
Northern bedstraw (<i>Galium boreale</i>)	89	•	SI	Perennial	Present	insects	Generalist	4
Maryland black snakeroot (<i>Sanicula marilandica</i>)	89	•	UNK	Perennial	Absent	insects	Generalist	4
Veiny meadow-rue (<i>Thalictrum venulosum</i>)	89	••	D	Perennial	Present	wind	Generalist	0
Common strawberry (<i>Fragaria virginiana</i>)	89	••	SC	Perennial	Present	insects	Early spring insect	3
Veiny pea (<i>Lathyrus venosus</i>)	83	•	SI	Perennial	Present	insects	Somewhat specific insect	5
Golden alexanders (<i>Zizia aurea</i>)	72	•	SC	Perennial	Absent	insects	Generalist	3
Bastard toadflax (<i>Comandra umbellata</i>)	72	•	SC	Perennial	Present	insects	Early spring insect	3
Spreading dogbane (<i>Apocynum androsaemifolium</i>)	72	•	SI	Perennial	Present	insects	Generalist	4
Tall meadow-rue (<i>Thalictrum dasycarpum</i>)	67	•	D	Perennial	Present	wind	Generalist	0
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	61	••	D	Perennial	Present	insects	Generalist	4
Pale vetchling (<i>Lathyrus ochroleucus</i>)	56	•	SI	Perennial	Present	insects	Somewhat specific insect	5
Canada goldenrod (<i>Solidago canadensis</i>)	56	•	SI	Perennial	Present	insects	Generalist	4
Starry false Solomon's seal (<i>Smilacina stellata</i>)	56	•	UNK	Perennial	Present	insects	Early spring insect	4
Erect, Smooth, or Illinois carrion-flower*	50	•	D	Perennial	Present	insects	Somewhat specific insect	5
Flat-topped aster (<i>Aster umbellatus</i>)	39	•	UNK	Perennial	Present	insects	Generalist	3
Virginia thimbleweed (<i>Anemone virginiana</i>)	39	•	UNK	Perennial	Present	insects	Generalist	3
White rattlesnakeroot (<i>Prenanthes alba</i>)	33	•	UNK	Perennial	Absent	insects	Somewhat specific insect	5
White sage (<i>Artemisia ludoviciana</i>)	28	•	SC	Perennial	Present	wind	Generalist	0
Fringed loosestrife (<i>Lysimachia ciliata</i>)	28	•	SI	Perennial	Present	insects	Generalist	4
Wood anemone (<i>Anemone quinquefolia</i>)	28	•	UNK	Perennial	Present	insects	Early spring insect	4
Yarrow (<i>Achillea millefolium</i>)	28	•	SI	Perennial	Present	insects	Generalist	4
Wood betony (<i>Pedicularis canadensis</i>)	28	•	UNK	Perennial	Present	insects	Buzz pollination	5
Seneca snakeroot (<i>Polygala senega</i>)	28	•	CH	Perennial	Absent	insects	Generalist	5
Side-flowering sandwort (<i>Arenaria lateriflora</i>)	22	•	SC	Perennial	Present	insects	Generalist	2
Harebell (<i>Campanula rotundifolia</i>)	22	•	± SI	Perennial	Present	insects	Generalist	4
Alumroot (<i>Heuchera richardsonii</i>)	22	•	SI	Perennial	Present	insects	Generalist	4
Canada milk vetch (<i>Astragalus canadensis</i>)	22	•	SC	Perennial	Present	insects	Somewhat specific insect	3
Grasses and Sedges								
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	89	•••	UNK	Perennial	Absent	wind	Generalist	0
Pennsylvania sedge (<i>Carex pensylvanica</i>)	83	•••	SC	Perennial	Present	wind	Generalist	0
False melic grass (<i>Schizachne purpurascens</i>)	61	••	UNK	Perennial	Absent	wind	Generalist	0
Bluejoint (<i>Calamagrostis canadensis</i>)	50	••	A	Perennial	Present	wind	Generalist	0
Interrupted wild rye (<i>Elymus diversiglumis</i>)	39	•	UNK	Perennial	Absent	wind	Generalist	0
Slender wheatgrass (<i>Elymus trachycaulus</i>)	33	•	UNK	Perennial	Weakly	wind	Generalist	0

Fringed brome (<i>Bromus ciliatus</i>)	33	●	SC	Perennial	Absent	wind	Generalist	0
Poverty grass (<i>Danthonia spicata</i>)	33	●	SC/si	Perennial	Absent	wind	Generalist	0
Climbing Plants								
Wild honeysuckle (<i>Lonicera dioica</i>)	44	●	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Low Shrubs								
Poison ivy (<i>Toxicodendron rydbergii</i>)	94	●●●	D	Perennial	Present	insects	Generalist	4
Dwarf bilberry (<i>Vaccinium cespitosum</i>)	28	●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Lowbush blueberry (<i>Vaccinium angustifolium</i>)	28	●●●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Shrubs								
Juneberries (<i>Amelanchier</i> spp.)	100	●●●	Varies	Perennial	Present	insects	Early spring insect	Varies
Chokecherry (<i>Prunus virginiana</i>)	94	●●	SI	Perennial	Present	insects	Early spring insect	5
American hazelnut (<i>Corylus americana</i>)	83	●●●●	Di	Perennial	Present	wind	Generalist	0
Bebb's willow (<i>Salix bebbiana</i>)	72	●	D	Perennial	Present	insects	Early spring insect	5
Downy arrowwood (<i>Viburnum rafinesquianum</i>)	67	●	UNK	Perennial	Present	insects	Generalist	3
Snowberry or Wolfberry (<i>Symphoricarpos albus</i> or <i>S. occidentalis</i>)	67	●●	SC	Perennial	Present	insects	Generalist	2
Gray dogwood (<i>Cornus racemosa</i>)	61	●●	UNK	Perennial	Present	insects	Generalist	3
Prickly or Smooth wild rose (<i>Rosa acicularis</i> or <i>R. blanda</i>)	50	●●	SC	Perennial	Present	insects	Generalist	2
Wood's rose (<i>Rosa woodsii</i>)	39	●	SI	Perennial	Present	insects	Generalist	4
Beaked hazelnut (<i>Corylus cornuta</i>)	33	●●●●	Di	Perennial	Present	wind	Generalist	0
Meadowsweet (<i>Spiraea alba</i>)	33	●	SC	Perennial	Present	insects	Generalist	2
Swamp gooseberry (<i>Ribes hirtellum</i>)	33	●	SI	Perennial	Present	insects	Generalist	4
Pin cherry (<i>Prunus pensylvanica</i>)	28	●	SI	Perennial	Present	insects	Early spring insect	5
Prairie willow (<i>Salix humilis</i>)	22	●	D	Perennial	Present	insects	Early spring insect	5
Tree Canopy								
Quaking aspen	89	●●●●	D	Perennial	Present	wind	Generalist	0
Bur oak	61	●●●	SI	Perennial	Present	wind	Generalist	0
Jack pine	11	●●●	UNK	Perennial	Absent	wind	Generalist	0
Paper birch	6	●	Di	Perennial	Present	wind	Generalist	0
White spruce	6	●●●	UNK	Perennial	Absent	wind	Generalist	0
Canada plum	6	●	SI	Perennial	Present	insects	Early spring insect	5
Tree Subcanopy								
Quaking aspen	78	●●●	D	Perennial	Present	wind	Generalist	0
Bur oak	61	●●	SI	Perennial	Present	wind	Generalist	0
Jack pine	-	-	UNK	Perennial	Absent	wind	Generalist	0
Paper birch	-	-	Di	Perennial	Present	wind	Generalist	0
White spruce	6	●	UNK	Perennial	Absent	wind	Generalist	0
Canada plum	6	●	SI	Perennial	Present	insects	Early spring insect	5

Tree Shrub Layer

Quaking aspen	44	••	D	Perennial	Present	wind	Generalist	0
Bur oak	94	••	SI	Perennial	Present	wind	Generalist	0
Jack pine	6	•	UNK	Perennial	Absent	wind	Generalist	0
Paper birch	-	-	Di	Perennial	Present	wind	Generalist	0
White spruce	6	•	UNK	Perennial	Absent	wind	Generalist	0
Canada plum	17	•	SI	Perennial	Present	insects	Early spring insect	5