

FDw44 Northwestern Dry-Mesic Aspen Woodland Pollinator Resources

Wet-mesic woodlands dominated by quaking aspen. Present on poorly drained, flat, sandy soils, occasionally capped with loamy sediment, on the Glacial Lake Agassiz plain and rarely on the Anoka Sand Plain. Surface fires were common historically, and catastrophic crown fires were occasional.

Examples of insect pollinators (and their associated host plants in parentheses) that use FDw44 include:

Bees:

Melissodes rivalis (*Cirsium*)

Andrena ziziae (*Zizia*)

Perdita maculigera (*Salix*)

Heriades variolosa (*Asteraceae*)

Butterflies:

Satyrium titus (*Prunus*)

Polygonia progne (*Ribes*)

Callophrys niphon (*Picea*, *Pinus*)

Moths:

Hemileuca nevadensis (*Populus tremuloides*)

Eugonobapta nivosaria (*Thalictrum dasycarpum*)

Tricholita signata (*Cirsium muticum*)



Tricholita signata (signate Quaker) uses *Cirsium muticum* (swamp thistle) as a host plant.

Photo: Bob Dunlap

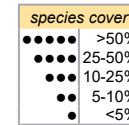


Polygonia progne (gray comma) uses *Ribes* (currant, gooseberry) species as a host plant. Photo: Bob Dunlap

FDw44 Northwestern Wet-Mesic Aspen Woodland

Pollinator Resources Table

FDw44 Class Factsheet. Based on 44 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Starry false Solomon's seal (<i>Smilacina stellata</i>)	93	●	UNK	Perennial	Present	insects	Early spring insect	4
Common strawberry (<i>Fragaria virginiana</i>)	89	●●●	SC	Perennial	Present	insects	Early spring insect	3
Northern bedstraw (<i>Galium boreale</i>)	89	●●	SI	Perennial	Present	insects	Generalist	4
Maryland black snakeroot (<i>Sanicula marilandica</i>)	84	●	UNK	Perennial	Absent	insects	Generalist	4
Tall meadow-rue (<i>Thalictrum dasycarpum</i>)	82	●●	D	Perennial	Present	wind	Generalist	0
Dwarf raspberry (<i>Rubus pubescens</i>)	82	●●	SC	Perennial	Present	insects	Generalist	2
Canada goldenrod (<i>Solidago canadensis</i>)	82	●●	SI	Perennial	Present	insects	Generalist	4
Canada mayflower (<i>Maianthemum canadense</i>)	73	●●	SI	Perennial	Present	insects	Early spring insect	5
American vetch (<i>Vicia americana</i>)	73	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Lindley's aster (<i>Aster ciliolatus</i>)	68	●●	UNK	Perennial	Present	insects	Generalist	3
Veiny meadow-rue (<i>Thalictrum venulosum</i>)	61	●●	D	Perennial	Present	wind	Generalist	0
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	61	●●●	D	Perennial	Present	insects	Generalist	4
Flat-topped aster (<i>Aster umbellatus</i>)	59	●	UNK	Perennial	Present	insects	Generalist	3
Golden alexanders (<i>Zizia aurea</i>)	57	●●	SC	Perennial	Absent	insects	Generalist	3
Side-flowering aster (<i>Aster lateriflorus</i>)	57	●	SI	Perennial	Present	insects	Generalist	4
Spreading dogbane (<i>Apocynum androsaemifolium</i>)	50	●	SI	Perennial	Present	insects	Generalist	4
Fringed loosestrife (<i>Lysimachia ciliata</i>)	48	●●	SI	Perennial	Present	insects	Generalist	4
Swamp thistle (<i>Cirsium muticum</i>)	43	●	GD	Biennial	Absent	insects	Generalist	6
Red-stemmed aster (<i>Aster puniceus</i>)	41	●	SI	Perennial	Present	insects	Generalist	4
Yarrow (<i>Achillea millefolium</i>)	41	●	SI	Perennial	Present	insects	Generalist	4
Bastard toadflax (<i>Comandra umbellata</i>)	41	●	SC	Perennial	Present	insects	Early spring insect	3
Field horsetail (<i>Equisetum arvense</i>)	39	●	SC	Perennial	Present	wind, water	Generalist	0
White rattlesnakeroot (<i>Prenanthes alba</i>)	36	●	UNK	Perennial	Absent	insects	Somewhat specific insect	5
Wood anemone (<i>Anemone quinquefolia</i>)	36	●	UNK	Perennial	Present	insects	Early spring insect	4
Marsh vetchling (<i>Lathyrus palustris</i>)	34	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Pale vetchling (<i>Lathyrus ochroleucus</i>)	34	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Kalm's hawkweed (<i>Hieracium kalmii</i>)	32	●	UNK	Perennial	Absent	insects	Generalist	4
Rattlesnake fern (<i>Botrychium virginianum</i>)	30	●	SC	Perennial	Present	wind, water	Generalist	0
Sweet-scented bedstraw (<i>Galium triflorum</i>)	30	●	UNK	Perennial	Present	insects	Generalist	3
Grasses and Sedges								
Bluejoint (<i>Calamagrostis canadensis</i>)	66	●●	A	Perennial	Present	wind	Generalist	0
Pennsylvania sedge (<i>Carex pensylvanica</i>)	59	●●●	SC	Perennial	Present	wind	Generalist	0
Fringed brome (<i>Bromus ciliatus</i>)	57	●	SC	Perennial	Absent	wind	Generalist	0
Kentucky bluegrass (<i>Poa pratensis</i>)	45	●●	SC	Perennial	Absent	wind	Generalist	0
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	45	●●	UNK	Perennial	Absent	wind	Generalist	0
False melic grass (<i>Schizachne purpurascens</i>)	45	●	UNK	Perennial	Absent	wind	Generalist	0
Fowl bluegrass (<i>Poa palustris</i>)	32	●	SC	Perennial	Present	wind	Generalist	0

Slender wheatgrass (<i>Elymus trachycaulus</i>)	32	●	UNK	Perennial	Weakly	wind	Generalist	0
Marsh straw sedge (<i>Carex tenera</i>)	30	●	UNK	Perennial	Present	wind	Generalist	0
Climbing Plants								
Wild honeysuckle (<i>Lonicera dioica</i>)	43	●	SC	Perennial	Weakly	insects	Somewhat specific insect	2
Low Shrubs								
Poison ivy (<i>Toxicodendron rydbergii</i>)	84	●●●	D	Perennial	Present	insects	Generalist	4
Red raspberry (<i>Rubus idaeus</i>)	36	●●	SC	Perennial	Present	insects	Generalist	2
Shrubs								
Prickly or Smooth wild rose (<i>Rosa acicularis</i> or <i>R. blanda</i>)	77	●	SC	Perennial	Present	insects	Generalist	2
Juneberries (<i>Amelanchier</i> spp.)	73	●●	Varies	Perennial	Present	insects	Early spring insect	Varies
American hazelnut (<i>Corylus americana</i>)	70	●●●	Di	Perennial	Present	wind	Generalist	0
Gray dogwood (<i>Cornus racemosa</i>)	66	●●	UNK	Perennial	Present	insects	Generalist	3
Swamp gooseberry (<i>Ribes hirtellum</i>)	64	●	SI	Perennial	Present	insects	Generalist	4
Bebb's willow (<i>Salix bebbiana</i>)	64	●	D	Perennial	Present	insects	Early spring insect	5
Red-osier dogwood (<i>Cornus sericea</i>)	64	●●●	SI	Perennial	Present	insects	Generalist	4
Chokecherry (<i>Prunus virginiana</i>)	59	●	SI	Perennial	Present	insects	Early spring insect	5
Highbush cranberry (<i>Viburnum trilobum</i>)	59	●	UNK	Perennial	Present	insects	Generalist	3
Dwarf alder (<i>Rhamnus alnifolia</i>)	57	●	UNK	Perennial	Absent	insects	Generalist	4
Downy arrowwood (<i>Viburnum rafinesquianum</i>)	39	●	UNK	Perennial	Present	insects	Generalist	3
Nannyberry (<i>Viburnum lentago</i>)	36	●	SI	Perennial	Present	insects	Generalist	4
Pussy willow (<i>Salix discolor</i>)	34	●	D	Perennial	Present	insects	Early spring insect	5
Bog birch (<i>Betula pumila</i>)	30	●●	Di	Perennial	Present	wind	Generalist	0
Beaked hazelnut (<i>Corylus cornuta</i>)	30	●●●	Di	Perennial	Present	wind	Generalist	0
Tree Canopy								
Quaking aspen	91	●●●●	D	Perennial	Present	wind	Generalist	0
Bur oak	34	●	SI	Perennial	Present	wind	Generalist	0
Balsam poplar	20	●●●	D	Perennial	Present	wind	Generalist	0
Green ash	16	●●●	D	Perennial	UNK	wind	Generalist	0
American elm	14	●●	Di	Perennial	Absent	wind	Generalist	0
White spruce	14	●●●	UNK	Perennial	Absent	wind	Generalist	0
Tree Subcanopy								
Quaking aspen	77	●●●	D	Perennial	Present	wind	Generalist	0
Bur oak	43	●	SI	Perennial	Present	wind	Generalist	0
Balsam poplar	16	●	D	Perennial	Present	wind	Generalist	0
Green ash	14	●	D	Perennial	UNK	wind	Generalist	0
American elm	14	●	Di	Perennial	Absent	wind	Generalist	0
White spruce	2	●	UNK	Perennial	Absent	wind	Generalist	0
Tree Shrub Layer								
Quaking aspen	73	●●	D	Perennial	Present	wind	Generalist	0
Bur oak	80	●	SI	Perennial	Present	wind	Generalist	0

Balsam poplar	11	•	D	Perennial	Present	wind	Generalist	0
Green ash	16	•••	D	Perennial	UNK	wind	Generalist	0
American elm	27	•	Di	Perennial	Absent	wind	Generalist	0
White spruce	9	•	UNK	Perennial	Absent	wind	Generalist	0