

FDw24 Northwestern Dry-Mesic Oak Woodland Pollinator Resources

Dry-mesic bur oak–dominated woodlands on gently sloping, sandy and gravelly beach ridges. Surface fires were common historically, with catastrophic crown fires occasional.

Examples of insect pollinators (and their associated host plants in parentheses) that use FDw24 include:

Bees:

Hylaeus sparsus (Apiaceae)

Ashmeadiella buconis (Asteraceae)

Perdita swenki (Solidago)

Andrena lupinorum (Fabaceae)

Butterflies:

Satyrium edwardsii (*Quercus*)

Erynnis juvenalis (*Quercus*)

Oeneis macounii (*Oryzopsis asperifolia*)

Moths:

Paonias excaecata (*Corylus americana*)

Caloptilia negundella (*Acer negundo*)

Cycnia tenera (*Apocynum androsaemifolium*)



Perdita swenki uses *Solidago* (goldenrod) species as a host plant. Photo: Heather Holm

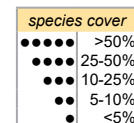


Oeneis macounii (Canada Arctic) uses *Oryzopsis asperifolia* (roughleaf ricegrass) as a host plant. Photo: Kyle Johnson

FDw24 Northwestern Dry-Mesic Oak Woodland

Pollinator Resources Table

FDw24 Class Factsheet. Based on 19 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>)	84	●	SI	Perennial	Present	insects	Early spring insect	5
Northern bedstraw (<i>Galium boreale</i>)	79	●●	SI	Perennial	Present	insects	Generalist	4
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	74	●●●●	D	Perennial	Present	insects	Generalist	4
Lindley's aster (<i>Aster ciliolatus</i>)	74	●	UNK	Perennial	Present	insects	Generalist	3
Erect, Smooth, or Illinois carrion-flower*	68	●	D	Perennial	Present	insects	Somewhat specific insect	5
Veiny pea (<i>Lathyrus venosus</i>)	68	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Spreading dogbane (<i>Apocynum androsaemifolium</i>)	63	●●	SI	Perennial	Present	insects	Generalist	4
Canada goldenrod (<i>Solidago canadensis</i>)	63	●	SI	Perennial	Present	insects	Generalist	4
Veiny meadow-rue (<i>Thalictrum venulosum</i>)	58	●●	D	Perennial	Present	wind	Generalist	0
Maryland black snakeroot (<i>Sanicula marilandica</i>)	53	●	UNK	Perennial	Absent	insects	Generalist	4
American vetch (<i>Vicia americana</i>)	53	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Blue giant hyssop (<i>Agastache foeniculum</i>)	47	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Starry false Solomon's seal (<i>Smilacina stellata</i>)	47	●	UNK	Perennial	Present	insects	Early spring insect	4
Common strawberry (<i>Fragaria virginiana</i>)	37	●●	SC	Perennial	Present	insects	Early spring insect	3
Bastard toadflax (<i>Comandra umbellata</i>)	32	●	SC	Perennial	Present	insects	Early spring insect	3
Wood anemone (<i>Anemone quinquefolia</i>)	26	●	UNK	Perennial	Present	insects	Early spring insect	4
Early meadow-rue (<i>Thalictrum dioicum</i>)	26	●	SI	Perennial	Present	wind	Generalist	0
Tall meadow-rue (<i>Thalictrum dasycarpum</i>)	26	●	D	Perennial	Present	wind	Generalist	0
Columbine (<i>Aquilegia canadensis</i>)	26	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Lopseed (<i>Phryma leptostachya</i>)	26	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Long-headed thimbleweed (<i>Anemone cylindrica</i>)	26	●	SC	Perennial	Present	insects	Generalist	2
Giant goldenrod (<i>Solidago gigantea</i>)	21	●	GM	Perennial	Present	insects	Generalist	4
Sweet-scented bedstraw (<i>Galium triflorum</i>)	21	●	UNK	Perennial	Present	insects	Generalist	3
Hairy Solomon's seal (<i>Polygonatum pubescens</i>)	16	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Pale vetchling (<i>Lathyrus ochroleucus</i>)	16	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Gray goldenrod (<i>Solidago nemoralis</i>)	16	●	SI	Perennial	Present	insects	Generalist	4
Clayton's sweet cicely (<i>Osmorhiza claytonii</i>)	16	●	D	Perennial	Absent	insects	Generalist	5
Red baneberry (<i>Actaea rubra</i>)	16	●	SC	Perennial	Present	insects	Early spring insect	3
Bracken (<i>Pteridium aquilinum</i>)	16	●●●	SC	Perennial	Present	wind, water	Generalist	0
Wild bergamot (<i>Monarda fistulosa</i>)	16	●●	SC	Perennial	Present	insects	Somewhat specific insect	3
Grasses and Sedges								
Pennsylvania sedge (<i>Carex pensylvanica</i>)	74	●●●●	SC	Perennial	Present	wind	Generalist	0
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	47	●●	UNK	Perennial	Absent	wind	Generalist	0
Nodding wild rye (<i>Elymus canadensis</i>)	42	●	SC	Perennial	Absent	wind	Generalist	0
False melic grass (<i>Schizachne purpurascens</i>)	42	●	UNK	Perennial	Absent	wind	Generalist	0
Kalm's brome (<i>Bromus kalmii</i>)	32	●	SC	Perennial	Absent	wind	Generalist	0
Marsh muhly grass (<i>Muhlenbergia racemosa</i>)	21	●	UNK	Perennial	Present	wind	Generalist	0

Interrupted wild rye (<i>Elymus diversiglumis</i>)	21	●	UNK	Perennial	Absent	wind	Generalist	0
Poverty grass (<i>Danthonia spicata</i>)	16	●●●	SC/si	Perennial	Absent	wind	Generalist	0
Big bluestem (<i>Andropogon gerardii</i>)	16	●	SI	Perennial	Present	wind	Generalist	0
Fringed brome (<i>Bromus ciliatus</i>)	16	●	SC	Perennial	Absent	wind	Generalist	0
Climbing Plants								
Wild honeysuckle (<i>Lonicera dioica</i>)	37	●	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Climbing bittersweet (<i>Celastrus scandens</i>)	32	●	D or PD	Perennial	Present	insects	Generalist	4
Virginia creeper (<i>Parthenocissus spp.</i>)	11	●●	SC	Perennial	Present	insects	Generalist	2
Low Shrubs								
Poison ivy (<i>Toxicodendron rydbergii</i>)	100	●●●	D	Perennial	Present	insects	Generalist	4
Red raspberry (<i>Rubus idaeus</i>)	26	●	SC	Perennial	Present	insects	Generalist	2
Shrubs								
Juneberries (<i>Amelanchier spp.</i>)	100	●●●	SC	Perennial	Present	insects	Generalist	Varies
Snowberry or Wolfberry (<i>Symphoricarpos albus</i> or <i>S. occidentalis</i>)	95	●●●	SC	Perennial	Present	insects	Generalist	2
Downy arrowwood (<i>Viburnum rafinesquianum</i>)	84	●●	UNK	Perennial	Present	insects	Generalist	3
American hazelnut (<i>Corylus americana</i>)	74	●●●	Di	Perennial	Present	wind	Generalist	0
Chokecherry (<i>Prunus virginiana</i>)	68	●●	SI	Perennial	Present	insects	Early spring insect	5
Nannyberry (<i>Viburnum lentago</i>)	58	●	SI	Perennial	Present	insects	Generalist	4
Gray dogwood (<i>Cornus racemosa</i>)	42	●●●	UNK	Perennial	Present	insects	Generalist	3
Prickly or Smooth wild rose (<i>Rosa acicularis</i> or <i>R. blanda</i>)	42	●	SC	Perennial	Present	insects	Generalist	2
Hawthorn (<i>Crataegus spp.</i>)	37	●	Varies	Perennial	Absent	insects	Early spring insect	Varies
Wild plum (<i>Prunus americana</i>)	16	●	SI	Perennial	Present	insects	Early spring insect	5
Beaked hazelnut (<i>Corylus cornuta</i>)	11	●●●●	Di	Perennial	Present	wind	Generalist	0
Tree Canopy								
Bur oak	95	●●●●	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	16	●	D	Perennial	Present	wind	Generalist	0
Balsam poplar	11	●	D	Perennial	Present	wind	Generalist	0
Canada plum	5	●	SI	Perennial	Present	insects	Early spring insect	5
Green ash	5	●	D	Perennial	UNK	wind	Generalist	0
Box elder	-	-	D	Perennial	Absent	insects	Early spring insect	6
Tree Subcanopy								
Bur oak	42	●●	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	21	●	D	Perennial	Present	wind	Generalist	0
Balsam poplar	-	-	D	Perennial	Present	wind	Generalist	0
Canada plum	11	●	SI	Perennial	Present	insects	Early spring insect	5
Green ash	5	●	D	Perennial	UNK	wind	Generalist	0
Box elder	11	●	D	Perennial	Absent	insects	Early spring insect	6
Tree Shrub Layer								
Bur oak	68	●●	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	21	●	D	Perennial	Present	wind	Generalist	0

Balsam poplar	5	•	D	Perennial	Present	wind	Generalist	0
Canada plum	-	-	SI	Perennial	Present	insects	Early spring insect	5
Green ash	21	•	D	Perennial	UNK	wind	Generalist	0
Box elder	16	••	D	Perennial	Absent	insects	Early spring insect	6

* Erect, Smooth, or Illinois carrion-flower (*Smilax ecirrata*, *S. herbacea*, or *S. illinoensis*)