

FDs38 Southern Dry-Mesic Oak-Hickory Woodland Pollinator Resources

Dry-mesic (or dry) deciduous woodlands on steep, exposed, south- to westfacing bluffs in southeastern Minnesota, often adjacent to bedrock bluff prairies.

Examples of insect pollinators (and their associated host plants in parentheses) that use FDs38 include:

Bees:

- Andrena integra* (*Cornus* [Swida])
- Andrena distans* (*Geranium maculatum*)
- Andrena simplex* (*Solidago*)
- Andrena brevivalpis* (*Rhus*)

Butterflies:

- Satyrrium titus* (*Prunus*)
- Polygonia progne* (*Ribes*)

Moths:

- Phyllonorycter lucetiella* (*Tilia americana*)
- Platynota idaeusalis* (*Sanicula canadensis*)
- Protoboarmia porcelaria* (*Rubus allegheniensis*)
- Brenthia pavonacella* (*Desmodium glutinosum*)



Andrena integra (short-haired dogwood mining bee) uses *Cornus* (dogwood) species as a host plant.
Photo: Heather Holm

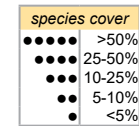


Polygonia progne (gray comma) uses *Ribes* (currant, gooseberry) species as a host plant. Photo: Bob Dunlap

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Pollinator Resources Table

FDs38 Class Factsheet. Based on 17 plots. November, 2024.



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Clayton's sweet cicely (<i>Osmorhiza claytonii</i>)	100	●●	D	Perennial	Absent	insects	Generalist	5
Pointed-leaved tick trefoil (<i>Desmodium glutinosum</i>)	100	●●●	UNK	Perennial	Absent	insects	Somewhat specific insect	5
Lopseed (<i>Phryma leptostachya</i>)	88	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Honewort (<i>Cryptotaenia canadensis</i>)	82	●	SC	Perennial	Present	insects	Generalist	2
Hog peanut (<i>Amphicarpaea bracteata</i>)	82	●●	CH and CL flowers	Annual	Present	insects	Somewhat specific insect	6
White snakeroot (<i>Eupatorium rugosum</i>)	76	●●	UNK	Perennial	Present	insects	Generalist	3
Sweet-scented bedstraw (<i>Galium triflorum</i>)	71	●	UNK	Perennial	Present	insects	Generalist	3
Common enchanter's nightshade (<i>Circaea lutetiana</i>)	65	●	SC	Perennial	Present	insects	Generalist	2
Rattlesnake fern (<i>Botrychium virginianum</i>)	65	●	SC	Perennial	Present	wind, water	Generalist	0
Woodland sunflower (<i>Helianthus strumosus</i>)	59	●	SI	Perennial	Present	insects	Generalist	4
Gregarious black snakeroot (<i>Sanicula gregaria</i>)	59	●	UNK	Perennial	Absent	insects	Generalist	4
Elm-leaved goldenrod (<i>Solidago ulmifolia</i>)	53	●	SI	Perennial	Present	insects	Generalist	4
Common false Solomon's seal (<i>Smilacina racemosa</i>)	47	●	UNK	Perennial	Present	insects	Early spring insect	4
White avens (<i>Geum canadense</i>)	47	●	UNK	Perennial	Present	insects	Generalist	3
Wild geranium (<i>Geranium maculatum</i>)	47	●	SC	Perennial	Present	insects	Early spring insect	3
Agrimony (<i>Agrimonia</i> spp.)	47	●	SC	Perennial	Present	insects	Generalist	2
Shining bedstraw (<i>Galium concinnum</i>)	41	●	UNK	Perennial	Present	insects	Generalist	3
Northern bedstraw (<i>Galium boreale</i>)	41	●	SI	Perennial	Present	insects	Generalist	4
Virginia thimbleweed (<i>Anemone virginiana</i>)	35	●	UNK	Perennial	Present	insects	Generalist	3
Canada goldenrod (<i>Solidago canadensis</i>)	35	●	SI	Perennial	Present	insects	Generalist	4
Horse gentian (<i>Triosteum perfoliatum</i>)	35	●	UNK	Perennial	Absent	insects	Early spring insect, Somewhat specific insect	5
Erect, Smooth, or Illinois carrion-flower (<i>Smilax</i> spp.)*	35	●	D	Perennial	Present	insects	Somewhat specific insect	5
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	29	●●	D	Perennial	Present	insects	Generalist	4
Canadian black snakeroot (<i>Sanicula canadensis</i>)	29	●●	UNK	Biennial	Absent	insects	Generalist	5
Lady fern (<i>Athyrium filix-femina</i>)	24	●	SC	Perennial	Present	wind, water	Generalist	0
Heart-leaved alexanders (<i>Zizia aptera</i>)	24	●	SC	Perennial	Absent	insects	Generalist	3
Side-flowering aster (<i>Aster lateriflorus</i>)	24	●●	SI	Perennial	Present	insects	Generalist	4
Wild bergamot (<i>Monarda fistulosa</i>)	24	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Grasses and Sedges								
Pennsylvania sedge (<i>Carex pensylvanica</i>)	71	●●	SC	Perennial	Present	wind	Generalist	0
Thin-leaved sedge (<i>Carex sparganioides</i>)	29	●	UNK	Perennial	Present	wind	Generalist	0
Starry sedge (<i>Carex rosea</i> and <i>C. radiata</i>)	24	●	UNK	Perennial	Present	wind	Generalist	0
Climbing Plants								
Wild grape (<i>Vitis riparia</i>)	100	●●	D	Perennial	Present	insects	Generalist	4
Virginia creeper (<i>Parthenocissus</i> spp.)	94	●●●	SC	Perennial	Present	insects	Generalist	2
Greenbrier (<i>Smilax tamnoides</i>)	59	●	D	Perennial	Present	insects	Somewhat specific insect	5
Low Shrubs								
Red raspberry (<i>Rubus idaeus</i>)	53	●●●	SC	Perennial	Present	insects	Generalist	2

Tall blackberries (<i>Rubus allegheniensis</i> and similar <i>Rubus</i> spp.)	41	●●●	Varies	Perennial	Present	insects	Generalist	Varies
Black raspberry (<i>Rubus occidentalis</i>)	41	●●	SC	Perennial	Present	insects	Generalist	2
Shrubs								
American hazelnut (<i>Corylus americana</i>)	94	●●●	Di	Perennial	Present	wind	Generalist	0
Gray dogwood (<i>Cornus racemosa</i>)	88	●	UNK	Perennial	Present	insects	Generalist	3
Prickly gooseberry (<i>Ribes cynosbati</i>)	71	●●	SI	Perennial	Present	insects	Generalist	4
Prickly ash (<i>Zanthoxylum americanum</i>)	71	●●●	D	Perennial	Present	insects	Generalist	4
Poison ivy (<i>Toxicodendron rydbergii</i>)	71	●	D	Perennial	Present	insects	Generalist	4
Chokecherry (<i>Prunus virginiana</i>)	59	●●	SI	Perennial	Present	insects	Early spring insect	5
Pagoda dogwood (<i>Cornus alternifolia</i>)	35	●	UNK	Perennial	Present	insects	Generalist	3
Missouri gooseberry (<i>Ribes missouriense</i>)	29	●●	SI	Perennial	Present	insects	Generalist	4
Nannyberry (<i>Viburnum lentago</i>)	29	●●	SI	Perennial	Present	insects	Generalist	4
Smooth sumac (<i>Rhus glabra</i>)	24	●	PD	Perennial	Present	insects	Generalist	4
Tree Canopy								
Bur oak	94	●●●●	SI	Perennial	Present	wind	Generalist	0
Shagbark hickory	76	●●●	SC/si	Perennial	Present	wind	Generalist	0
Northern pin oak	59	●●●●●	SI	Perennial	Present	wind	Generalist	0
American elm	59	●●●	Di	Perennial	Absent	wind	Generalist	0
Black cherry	41	●●●	SI	Perennial	Present	insects	Early spring insect	5
Black walnut	35	●●	SI/sc	Perennial	UNK	wind	Generalist	0
Northern red oak	29	●●●	SI	Perennial	Present	wind	Generalist	0
Box elder	24	●●	D	Perennial	Absent	insects	Early spring insect	6
White oak	24	●●●	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	24	●●	D	Perennial	Present	wind	Generalist	0
Paper birch	24	●	Di	Perennial	Present	wind	Generalist	0
Red elm	18	●	Di	Perennial	Absent	wind	Generalist	0
Hackberry	12	●●	SC	Perennial	Absent	wind	Generalist	0
Bitternut hickory	12	●●●	UNK	Perennial	Present	wind	Generalist	0
Basswood	12	●	SI	Perennial	Absent	insects	Generalist	5
Tree Subcanopy								
Bur oak	47	●●●	SI	Perennial	Present	wind	Generalist	0
Shagbark hickory	82	●●●	SC/si	Perennial	Present	wind	Generalist	0
Northern red oak	35	●	SI	Perennial	Present	wind	Generalist	0
Box elder	47	●●●	D	Perennial	Absent	insects	Early spring insect	6
White oak	-	-	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	18	●	D	Perennial	Present	wind	Generalist	0
Paper birch	29	●	Di	Perennial	Present	wind	Generalist	0
Red elm	35	●●	Di	Perennial	Absent	wind	Generalist	0
Hackberry	35	●●	SC	Perennial	Absent	wind	Generalist	0
Bitternut hickory	24	●	UNK	Perennial	Present	wind	Generalist	0
Basswood	29	●	SI	Perennial	Absent	insects	Generalist	5

Tree Shrub Layer

Bur oak	59	•	SI	Perennial	Present	wind	Generalist	0
Shagbark hickory	82	•	SC/si	Perennial	Present	wind	Generalist	0
Northern pin oak	41	•	SI	Perennial	Present	wind	Generalist	0
American elm	71	•	Di	Perennial	Absent	wind	Generalist	0
Black cherry	76	••	SI	Perennial	Present	insects	Early spring insect	5
Black walnut	-	-	SI/sc	Perennial	UNK	wind	Generalist	0
Northern red oak	24	•	SI	Perennial	Present	wind	Generalist	0
Box elder	53	•	D	Perennial	Absent	insects	Early spring insect	6
White oak	18	•	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	24	•	D	Perennial	Present	wind	Generalist	0
Paper birch	-	-	Di	Perennial	Present	wind	Generalist	0
Red elm	18	•	Di	Perennial	Absent	wind	Generalist	0
Hackberry	47	•	SC	Perennial	Absent	wind	Generalist	0
Bitternut hickory	47	•	UNK	Perennial	Present	wind	Generalist	0
Basswood	24	•	SI	Perennial	Absent	insects	Generalist	5

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