

FDn22 Northern Dry-Bedrock Pine (Oak) Woodland Pollinator Resources

Dry pine or oak woodlands on shallow, excessively drained, loamy soils on bedrock ridges and hillsides or on rock ledges and terraces adjacent to rivers. Crown and surface fires were common historically.

Examples of insect pollinators (and their associated host plants in parentheses) that use FDn22 include:

Bees:

Megachile campanulae (*Campanula*)

Osmia laticeps (*Vaccinium*)

Andrena hirticincta (*Solidago*)

Butterflies:

Callophrys eryphon (*Pinus strobus*)

Erynnis icelus (*Salix*)

Colias interior (*Vaccinium*)

Moths:

Sitochroa chortalis (*Comandra umbellata*)

Caloptilia cornusella (*Cornus canadensis*)

Eulithis explanata (*Vaccinium angustifolium*)

Hemaris aethra (*Diervilla lonicera*)



Colias interior (pink-edged sulphur) uses *Vaccinium* (blueberry, cranberry) species as a host plant.
Photo: Bob Dunlap

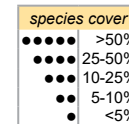


Andrena hirticincta uses *Solidago* (goldenrod) species as a host plant. Photo: Heather Holm

FDn22 Northern Dry-Bedrock Pine (Oak) Woodland

Pollinator Resources Table

FDn22 Class Factsheet. Based on 47 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>)	98	●	SI	Perennial	Present	insects	Early spring insect	5
Large-leaved aster (<i>Aster macrophyllus</i>)	87	●●●	A	Perennial	Present	insects	Generalist	2
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	87	●●	D	Perennial	Present	insects	Generalist	4
Bracken (<i>Pteridium aquilinum</i>)	74	●●●	SC	Perennial	Present	wind, water	Generalist	0
Cow wheat (<i>Melampyrum lineare</i>)	57	●	SC	Annual	Absent	insects	Somewhat specific insect	5
Spreading dogbane (<i>Apocynum androsaemifolium</i>)	55	●	SI	Perennial	Present	insects	Generalist	4
Common strawberry (<i>Fragaria virginiana</i>)	47	●	SC	Perennial	Present	insects	Early spring insect	3
Field or Variable pussytoes (<i>Antennaria neglecta</i> or <i>A. neodica</i>)	40	●	A	Perennial	Present	wind	Generalist	0
Common polypody (<i>Polypodium virginianum</i>)	40	●	SC	Perennial	Present	wind, water	Generalist	0
Bunchberry (<i>Cornus canadensis</i>)	38	●	SI	Perennial	Present	insects	Generalist	4
Starflower (<i>Trientalis borealis</i>)	32	●	SI/sc	Perennial	Present	insects	Generalist	3
Bastard toadflax (<i>Comandra umbellata</i>)	30	●	SC	Perennial	Present	insects	Early spring insect	3
American vetch (<i>Vicia americana</i>)	28	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Veiny pea (<i>Lathyrus venosus</i>)	23	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Rough hawkweed (<i>Hieracium umbellatum</i>)	23	●	SI	Perennial	Absent	insects	Generalist	5
Harebell (<i>Campanula rotundifolia</i>)	21	●	± SI	Perennial	Present	insects	Generalist	4
Pale corydalis (<i>Corydalis sempervirens</i>)	21	●	SC	Biennial	Absent	insects	Early spring insect, Somewhat specific insect	5
Pale vetchling (<i>Lathyrus ochroleucus</i>)	21	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Kalm's hawkweed (<i>Hieracium kalmii</i>)	19	●	UNK	Perennial	Absent	insects	Generalist	4
Spinulose shield fern or Glandular wood fern (<i>Dryopteris carthusiana</i> or <i>D. intermedia</i>)	19	●	SC	Perennial	Present	wind, water	Generalist	0
Bluebead lily (<i>Clintonia borealis</i>)	17	●	SI	Perennial	Present	insects	Generalist	4
Columbine (<i>Aquilegia canadensis</i>)	17	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Rusty woodsia (<i>Woodsia ilvensis</i>)	17	●	SC	Perennial	Present	wind, water	Generalist	0
Sticky hawkweed (<i>Hieracium scabrum</i>)	17	●	UNK	Perennial	Absent	insects	Generalist	4
Groundpine (<i>Lycopodium dendroideum</i> or <i>L. hickeyi</i>)	15	●	SC	Perennial	Present	wind, water	Generalist	0
Gray goldenrod (<i>Solidago nemoralis</i>)	15	●●	SI	Perennial	Present	insects	Generalist	4
Twinflower (<i>Linnaea borealis</i>)	13	●●	SC	Perennial	Present	insects	Generalist	2
Grasses and Sedges								
Poverty grass (<i>Danthonia spicata</i>)	81	●●	SC/si	Perennial	Absent	wind	Generalist	0
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	53	●	UNK	Perennial	Absent	wind	Generalist	0
Sharp-pointed rice grass (<i>Oryzopsis pungens</i>)	36	●	UNK	Perennial	Absent	wind	Generalist	0
False melic grass (<i>Schizachne purpurascens</i>)	36	●	UNK	Perennial	Absent	wind	Generalist	0
Twin bentgrass (<i>Agrostis hyemalis</i>)	30	●	SI	Perennial	Absent	wind	Generalist	0
Slender wheatgrass (<i>Elymus trachycaulus</i>)	26	●	UNK	Perennial	Weakly	wind	Generalist	0
Low Shrubs								
Lowbush blueberry (<i>Vaccinium angustifolium</i>)	98	●●●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Wintergreen (<i>Gaultheria procumbens</i>)	72	●	SC	Perennial	Present	insects	Somewhat specific insect	3

Velvet-leaved blueberry (l)	66	●●	SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Red raspberry (<i>Rubus idaeus</i>)	47	●	SC	Perennial	Present	insects	Generalist	2
Sweet fern (<i>Comptonia peregrina</i>)	32	●●	UNK	Perennial	Present	wind	Generalist	0
Bearberry (<i>Arctostaphylos uva-ursi</i>)	28	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Shrubs								
Juneberries (<i>Amelanchier</i> spp.)	94	●●	Varies	Perennial	Present	insects	Early spring insect	Varies
Bush honeysuckle (<i>Diervilla lonicera</i>)	81	●●	SC	Perennial	Present	insects	Somewhat specific insect	3
Beaked hazelnut (<i>Corylus cornuta</i>)	51	●●	Di	Perennial	Present	wind	Generalist	0
Prickly or Smooth wild rose (<i>Rosa acicularis</i> or <i>R. blanda</i>)	49	●	SC	Perennial	Present	insects	Generalist	2
Prairie willow (<i>Salix humilis</i>)	43	●	D	Perennial	Present	insects	Early spring insect	5
Bush juniper (<i>Juniperus communis</i>)	36	●●●	D	Perennial	Absent	wind	Generalist	0
Downy arrowwood (<i>Viburnum rafinesquianum</i>)	30	●	UNK	Perennial	Present	insects	Generalist	3
Fly honeysuckle (<i>Lonicera canadensis</i>)	26	●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Pin cherry (<i>Prunus pensylvanica</i>)	23	●	SI	Perennial	Present	insects	Early spring insect	5
Sand cherry (<i>Prunus pumila</i>)	17	●	SI	Perennial	Present	insects	Generalist	4
Tree Canopy								
Red pine	43	●●●	UNK	Perennial	Absent	wind	Generalist	0
Jack pine	30	●●●●	UNK	Perennial	Absent	wind	Generalist	0
White pine	28	●●●	SI	Perennial	Absent	wind	Generalist	0
Big-toothed aspen	13	●●	D	Perennial	Present	wind	Generalist	0
Paper birch	13	●●●	Di	Perennial	Present	wind	Generalist	0
Northern red oak	9	●●	SI	Perennial	Present	wind	Generalist	0
Red maple	9	●●	D	Perennial	Absent	insects	Early spring insect	6
Quaking aspen	9	●	D	Perennial	Present	wind	Generalist	0
Northern pin oak	4	●●●●	SI	Perennial	Present	wind	Generalist	0
Balsam fir	4	●	UNK	Perennial	Absent	wind	Generalist	0
White spruce	2	●	UNK	Perennial	Absent	wind	Generalist	0
Black spruce	2	●	UNK	Perennial	Absent	wind	Generalist	0
Bur oak	-	-	SI	Perennial	Present	wind	Generalist	0
Mountain ash	-	-	A	Perennial	Weakly	insects	Generalist	2
Tree Subcanopy								
Red pine	43	●●●	UNK	Perennial	Absent	wind	Generalist	0
Jack pine	32	●●●	UNK	Perennial	Absent	wind	Generalist	0
White pine	49	●●	SI	Perennial	Absent	wind	Generalist	0
Big-toothed aspen	17	●●	D	Perennial	Present	wind	Generalist	0
Paper birch	51	●●	Di	Perennial	Present	wind	Generalist	0
Northern red oak	13	●●	SI	Perennial	Present	wind	Generalist	0
Red maple	38	●●	D	Perennial	Absent	insects	Early spring insect	6
Quaking aspen	30	●●	D	Perennial	Present	wind	Generalist	0
Northern pin oak	36	●●●●	SI	Perennial	Present	wind	Generalist	0

Balsam fir	47	•	UNK	Perennial	Absent	wind	Generalist	0
White spruce	23	•	UNK	Perennial	Absent	wind	Generalist	0
Black spruce	13	•	UNK	Perennial	Absent	wind	Generalist	0
Bur oak	9	••••	SI	Perennial	Present	wind	Generalist	0
Mountain ash	2	•	A	Perennial	Weakly	insects	Generalist	2
Tree Shrub Layer								
Red pine	26	•	UNK	Perennial	Absent	wind	Generalist	0
Jack pine	21	•	UNK	Perennial	Absent	wind	Generalist	0
White pine	66	•	SI	Perennial	Absent	wind	Generalist	0
Big-toothed aspen	21	•	D	Perennial	Present	wind	Generalist	0
Paper birch	60	•	Di	Perennial	Present	wind	Generalist	0
Northern red oak	28	•	SI	Perennial	Present	wind	Generalist	0
Red maple	87	•	D	Perennial	Absent	insects	Early spring insect	6
Quaking aspen	36	•	D	Perennial	Present	wind	Generalist	0
Northern pin oak	49	••	SI	Perennial	Present	wind	Generalist	0
Balsam fir	55	•	UNK	Perennial	Absent	wind	Generalist	0
White spruce	38	•	UNK	Perennial	Absent	wind	Generalist	0
Black spruce	9	•	UNK	Perennial	Absent	wind	Generalist	0
Bur oak	15	•	SI	Perennial	Present	wind	Generalist	0
Mountain ash	21	•	A	Perennial	Weakly	insects	Generalist	2