

FDn32 Northern Poor Dry-Mesic Mixed Woodland Pollinator Resources

Dry-mesic pine or black spruce woodlands, often mixed with paper birch and quaking aspen. Most common on relatively nutrient-poor, shallow, loamy soils over bedrock, but also present on sandy lacustrine plains. Crown and surface fires were common historically.

Examples of insect pollinators (and their associated host plants in parentheses) that use FDn32 include:

Bees:

Andrena bisalicis (*Salix*)

Andrena clarkella (*Salix*)

Colletes validus (*Vaccinium*)

Andrena bradleyi (*Vaccinium*)

Butterflies:

Satyrium titus (*Prunus*)

Phyciodes tharos (*Eurybia macrophylla*)

Colias interior (*Vaccinium*)

Moths:

Lithophane patefacta (*Acer rubrum*)

Caloptilia cornusella (*Cornus canadensis*)

Hemaris aethra (*Diervilla lonicera*)

Amphipyra pyramidoides (*Corylus cornuta*)



Colletes validus (blueberry cellophane bee) uses *Vaccinium* (blueberry, cranberry) species as a host plant. Photo: Michael Veit

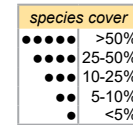


Lithophane patefacta (dimorphic pinion) uses *Acer rubrum* (red maple) as a host plant. Photo: Kyle Johnson

FDn32 Northern Poor Dry-Mesic Mixed Woodland

Pollinator Resources Table

FDn32 Class Factsheet. Based on 80 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>)	96	●●	SI	Perennial	Present	insects	Early spring insect	5
Bunchberry (<i>Cornus canadensis</i>)	89	●●●	SI	Perennial	Present	insects	Generalist	4
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	89	●●	D	Perennial	Present	insects	Generalist	4
Twinflower (<i>Linnaea borealis</i>)	81	●	SC	Perennial	Present	insects	Generalist	2
Large-leaved aster (<i>Aster macrophyllus</i>)	75	●●●	A	Perennial	Present	insects	Generalist	2
Bluebead lily (<i>Clintonia borealis</i>)	70	●	SI	Perennial	Present	insects	Generalist	4
Starflower (<i>Trientalis borealis</i>)	63	●	SI/sc	Perennial	Present	insects	Generalist	3
Groundpine (<i>Lycopodium dendroideum</i> or <i>L. hickeyi</i>)	56	●	SC	Perennial	Present	wind, water	Generalist	0
Bracken (<i>Pteridium aquilinum</i>)	49	●●●	SC	Perennial	Present	wind, water	Generalist	0
Running clubmoss (<i>Lycopodium clavatum</i>)	45	●	SC	Perennial	Present	wind, water	Generalist	0
Dwarf raspberry (<i>Rubus pubescens</i>)	43	●	SC	Perennial	Present	insects	Generalist	2
Cow wheat (<i>Melampyrum lineare</i>)	41	●	SC	Annual	Absent	insects	Somewhat specific insect	5
Common strawberry (<i>Fragaria virginiana</i>)	39	●●	SC	Perennial	Present	insects	Early spring insect	3
Wood anemone (<i>Anemone quinquefolia</i>)	34	●	UNK	Perennial	Present	insects	Early spring insect	4
Spreading dogbane (<i>Apocynum androsaemifolium</i>)	31	●	SI	Perennial	Present	insects	Generalist	4
Sweet-scented bedstraw (<i>Galium triflorum</i>)	28	●	UNK	Perennial	Present	insects	Generalist	3
Common polypody (<i>Polypodium virginianum</i>)	26	●	SC	Perennial	Present	wind, water	Generalist	0
Bristly clubmoss (<i>Lycopodium annotinum</i>)	24	●	SC	Perennial	Present	wind, water	Generalist	0
Spinulose shield fern or Glandular wood fern (<i>Dryopteris carthusiana</i> or <i>D. intermedia</i>)	24	●	SC	Perennial	Present	wind, water	Generalist	0
Rose twistedstalk (<i>Streptopus roseus</i>)	21	●	UNK	Perennial	Present	insects	Early spring insect	4
Goldthread (<i>Coptis trifolia</i>)	21	●	UNK	Perennial	Present	insects	Early spring insect	4
Fireweed (<i>Epilobium angustifolium</i>)	21	●	SC	Perennial	Present	insects	Generalist	2
Northern or Wirey groundcedar (<i>Diphasiastrum complanatum</i> or <i>D. digitatum</i>)	15	●	SC	Perennial	Present	wind, water	Generalist	0
Woodland horsetail (<i>Equisetum sylvaticum</i>)	15	●	SC	Perennial	Present	wind, water	Generalist	0
Lindley's aster (<i>Aster ciliolatus</i>)	15	●	UNK	Perennial	Present	insects	Generalist	3
Green-flowered pyrola (<i>Pyrola chlorantha</i>)	15	●	SC	Perennial	Present	insects	Buzz pollination	4
Lady fern (<i>Athyrium filix-femina</i>)	14	●	SC	Perennial	Present	wind, water	Generalist	0
Wood strawberry (<i>Fragaria vesca</i>)	13	●●	SC	Perennial	Present	insects	Early spring insect	3
Grasses and Sedges								
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	53	●●	UNK	Perennial	Absent	wind	Generalist	0
Poverty grass (<i>Danthonia spicata</i>)	23	●	SC/si	Perennial	Absent	wind	Generalist	0
False melic grass (<i>Schizachne purpurascens</i>)	21	●	UNK	Perennial	Absent	wind	Generalist	0
Bluejoint (<i>Calamagrostis canadensis</i>)	18	●●	A	Perennial	Present	wind	Generalist	0
Sharp-pointed rice grass (<i>Oryzopsis pungens</i>)	16	●	UNK	Perennial	Absent	wind	Generalist	0
Pennsylvania sedge (<i>Carex pennsylvanica</i>)	10	●●●	SC	Perennial	Present	wind	Generalist	0

Low Shrubs								
Lowbush blueberry (<i>Vaccinium angustifolium</i>)	88	●●●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Velvet-leaved blueberry (<i>Vaccinium myrtilloides</i>)	61	●●	SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Red raspberry (<i>Rubus idaeus</i>)	59	●●	SC	Perennial	Present	insects	Generalist	2
Wintergreen (<i>Gaultheria procumbens</i>)	35	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Pipsissewa (<i>Chimaphila umbellata</i>)	29	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Labrador tea (<i>Ledum groenlandicum</i>)	23	●●	SC	Perennial	Present	insects	Early spring insect	3
Sweet fern (<i>Comptonia peregrina</i>)	23	●●	UNK	Perennial	Present	wind	Generalist	0
Creeping snowberry (<i>Gaultheria hispidula</i>)	16	●	UNK	Perennial	Present	insects	Generalist	3
Shrubs								
Juneberries (<i>Amelanchier</i> spp.)	88	●●	Varies	Perennial	Present	insects	Early spring insect	Varies
Bush honeysuckle (<i>Diervilla lonicera</i>)	86	●●	SC	Perennial	Present	insects	Somewhat specific insect	3
Beaked hazelnut (<i>Corylus cornuta</i>)	69	●●●	Di	Perennial	Present	wind	Generalist	0
Prickly or Smooth wild rose (<i>Rosa acicularis</i> or <i>R. blanda</i>)	61	●●	SC	Perennial	Present	insects	Generalist	2
Fly honeysuckle (<i>Lonicera canadensis</i>)	40	●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Green alder (<i>Alnus viridis</i>)	35	●●●	Di	Perennial	Present	wind	Generalist	0
Bebb's willow (<i>Salix bebbiana</i>)	23	●●	D	Perennial	Present	insects	Early spring insect	5
Chokecherry (<i>Prunus virginiana</i>)	20	●	SI	Perennial	Present	insects	Early spring insect	5
Mountain maple (<i>Acer spicatum</i>)	18	●●	SI	Perennial	Absent	insects	Early spring insect	6
Prairie willow (<i>Salix humilis</i>)	11	●	D	Perennial	Present	insects	Early spring insect	5
Tree Canopy								
Jack pine	55	●●●●	UNK	Perennial	Absent	wind	Generalist	0
Black spruce	53	●●●	UNK	Perennial	Absent	wind	Generalist	0
Quaking aspen	35	●●●	D	Perennial	Present	wind	Generalist	0
Paper birch	34	●●	Di	Perennial	Present	wind	Generalist	0
Red pine	28	●●●●	UNK	Perennial	Absent	wind	Generalist	0
White pine	26	●●●	SI	Perennial	Absent	wind	Generalist	0
Balsam fir	26	●●	UNK	Perennial	Absent	wind	Generalist	0
White spruce	10	●	UNK	Perennial	Absent	wind	Generalist	0
Red maple	6	●	D	Perennial	Absent	insects	Early spring insect	6
Mountain ashes	-	-	A	Perennial	Weakly	insects	Generalist	2
White cedar	-	-	UNK	Perennial	Absent	wind	Generalist	0
Tree Subcanopy								
Jack pine	26	●●●	UNK	Perennial	Absent	wind	Generalist	0
Black spruce	61	●●●	UNK	Perennial	Absent	wind	Generalist	0
Quaking aspen	41	●●●	D	Perennial	Present	wind	Generalist	0
Paper birch	61	●●	Di	Perennial	Present	wind	Generalist	0
Red pine	15	●●	UNK	Perennial	Absent	wind	Generalist	0
White pine	30	●	SI	Perennial	Absent	wind	Generalist	0

Balsam fir	58	••	UNK	Perennial	Absent	wind	Generalist	0
White spruce	26	•	UNK	Perennial	Absent	wind	Generalist	0
Red maple	16	••	D	Perennial	Absent	insects	Early spring insect	6
Mountain ashes	13	•	A	Perennial	Weakly	insects	Generalist	2
White cedar	8	••	UNK	Perennial	Absent	wind	Generalist	0
<i>Tree Shrub Layer</i>								
Jack pine	11	••	UNK	Perennial	Absent	wind	Generalist	0
Black spruce	48	••	UNK	Perennial	Absent	wind	Generalist	0
Quaking aspen	51	••	D	Perennial	Present	wind	Generalist	0
Paper birch	53	••	Di	Perennial	Present	wind	Generalist	0
Red pine	11	•	UNK	Perennial	Absent	wind	Generalist	0
White pine	41	•	SI	Perennial	Absent	wind	Generalist	0
Balsam fir	69	••	UNK	Perennial	Absent	wind	Generalist	0
White spruce	29	•	UNK	Perennial	Absent	wind	Generalist	0
Red maple	43	•	D	Perennial	Absent	insects	Early spring insect	6
Mountain ashes	56	•	A	Perennial	Weakly	insects	Generalist	2
White cedar	10	••	UNK	Perennial	Absent	wind	Generalist	0