

WFn53 Northern Wet Cedar Forest Pollinator Resources

Wet conifer or conifer-hardwood forests on muck or peat soils. Typically present in settings where saturated soils are present through most of the growing season such as depressions; low, level terrain along lakes, rivers, or wetlands; and gently sloping upland drains.

Examples of insect pollinators (and their associated host plants in parentheses) that use WFn53 include:

Bees:

Andrena melanochroa (Rosaceae)
Hylaeus sparsus (Apiaceae)
Melissodes druriellus (Symphyotrichum)

Butterflies:

Euphyes dion (Carex)
Polygonia progne (Ribes)
Satyrium titus (Prunus)

Moths:

Lithophane patefacta (Acer rubrum)
Sphinx canadensis (Fraxinus nigra)
Amphipyra pyramidoides (Corylus cornuta)
Ceratomia amyntor (Ulmus americana)



Melissodes druriellus (Drury's longhorn bee) uses *Symphyotrichum* (American aster) species as a host plant. Photo: Heather Holm

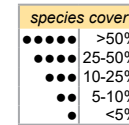


Lithophane patefacta (dimorphic pinion) uses *Acer rubrum* (red maple) as a host plant. Photo: Kyle Johnson

WFn53 Northern Wet Cedar Forest

Pollinator Resources Table

WFn53 Class Factsheet. Based on 102 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Dwarf raspberry (<i>Rubus pubescens</i>)	95	●●●	SC	Perennial	Present	insects	Generalist	2
Starflower (<i>Trientalis borealis</i>)	93	●	SI/sc	Perennial	Present	insects	Generalist	3
Bunchberry (<i>Cornus canadensis</i>)	91	●	SI	Perennial	Present	insects	Generalist	4
Naked miterwort (<i>Mitella nuda</i>)	91	●●	UNK	Perennial	Present	insects	Early spring insect	4
Common oak fern (<i>Gymnocarpium dryopteris</i>)	84	●	SC	Perennial	Present	wind, water	Generalist	0
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	82	●●	D	Perennial	Present	insects	Generalist	4
Sweet-scented bedstraw (<i>Galium triflorum</i>)	82	●	UNK	Perennial	Present	insects	Generalist	3
Goldthread (<i>Coptis trifolia</i>)	82	●●	UNK	Perennial	Present	insects	Early spring insect	4
Bluebead lily (<i>Clintonia borealis</i>)	80	●	SI	Perennial	Present	insects	Generalist	4
Canada mayflower (<i>Maianthemum canadense</i>)	78	●	SI	Perennial	Present	insects	Early spring insect	5
Lady fern (<i>Athyrium filix-femina</i>)	77	●●	SC	Perennial	Present	wind, water	Generalist	0
Alpine enchanter's nightshade (<i>Circaea alpina</i>)	72	●	SC	Perennial	Present	insects	Generalist	2
Spinulose shield fern or Glandular wood fern (<i>Dryopteris</i> spp.)*	61	●	SC	Perennial	Present	wind, water	Generalist	0
Twinflower (<i>Linnaea borealis</i>)	58	●	SC	Perennial	Present	insects	Generalist	2
Common strawberry (<i>Fragaria virginiana</i>)	53	●	SC	Perennial	Present	insects	Early spring insect	3
Large-leaved aster (<i>Aster macrophyllus</i>)	52	●	A	Perennial	Present	insects	Generalist	2
Common marsh marigold (<i>Caltha palustris</i>)	49	●	SI	Perennial	Present	insects	Early spring insect	5
Woodland horsetail (<i>Equisetum sylvaticum</i>)	48	●●	SC	Perennial	Present	wind, water	Generalist	0
Crested fern (<i>Dryopteris cristata</i>)	48	●	SC	Perennial	Present	wind, water	Generalist	0
Rose twistedstalk (<i>Streptopus roseus</i>)	46	●	UNK	Perennial	Present	insects	Early spring insect	4
Touch-me-not (<i>Impatiens</i> spp.)	45	●	SI/SC	Annual	Absent	insects	Somewhat specific insect	6
Rattlesnake fern (<i>Botrychium virginianum</i>)	44	●	SC	Perennial	Present	wind, water	Generalist	0
Palmate sweet coltsfoot (<i>Petasites frigidus</i>)	43	●	D	Perennial	Present	insects	Early spring insect	5
Long beech fern (<i>Phegopteris connectilis</i>)	43	●	SC	Perennial	Present	wind, water	Generalist	0
Nodding trillium (<i>Trillium cernuum</i>)	40	●	A	Perennial	Present	insects	Early spring insect	3
Red-stemmed aster (<i>Aster puniceus</i>)	39	●	SI	Perennial	Present	insects	Generalist	4
Kidney-leaved violet (<i>Viola renifolia</i>)	39	●	CL flowers	Perennial	Present	insects	Early spring insect	4
Red baneberry (<i>Actaea rubra</i>)	36	●	SC	Perennial	Present	insects	Early spring insect	3
Three-leaved false Solomon's seal (<i>Smilacina trifolia</i>)	35	●	UNK	Perennial	Present	insects	Early spring insect	4
Shining firmoss (<i>Huperzia lucidula</i>)	34	●	SC	Perennial	Present	wind, water	Generalist	0
Wood anemone (<i>Anemone quinquefolia</i>)	32	●	UNK	Perennial	Present	insects	Early spring insect	4
Interrupted fern (<i>Osmunda claytoniana</i>)	28	●	SC	Perennial	Present	wind, water	Generalist	0
Northern bugleweed (<i>Lycopus uniflorus</i>)	28	●	SC	Perennial	Weakly	insects	Generalist	2
Cinnamon fern (<i>Osmunda cinnamomea</i>)	23	●	SC	Perennial	Present	wind, water	Generalist	0
Grasses and Sedges								
Bristle-stalked sedge (<i>Carex leptalea</i>)	54	●●	UNK	Perennial	Present	wind	Generalist	0
Bladder sedge (<i>Carex intumescens</i>)	52	●	UNK	Perennial	Present	wind	Generalist	0

Long-stalked sedge (<i>Carex pedunculata</i>)	48	●●	SC	Perennial	Present	wind	Generalist	0
Soft-leaved sedge (<i>Carex disperma</i>)	46	●	UNK	Perennial	Present	wind	Generalist	0
Three-fruited bog sedge (<i>Carex trisperma</i>)	45	●●	UNK	Perennial	Present	wind	Generalist	0
Fowl manna grass (<i>Glyceria striata</i>)	44	●	UNK	Perennial	Present	wind	Generalist	0
Drooping woodreed (<i>Cinna latifolia</i>)	33	●	UNK	Perennial	Weakly	wind	Generalist	0
Drooping wood sedge (<i>Carex arctata</i>)	30	●	SC	Perennial	Present	wind	Generalist	0
Graceful sedge (<i>Carex gracillima</i>)	29	●	UNK	Perennial	Present	wind	Generalist	0
Bluejoint (<i>Calamagrostis canadensis</i>)	25	●	A	Perennial	Present	wind	Generalist	0
Low Shrubs								
Creeping snowberry (<i>Gaultheria hispidula</i>)	36	●	UNK	Perennial	Present	insects	Generalist	3
Labrador tea (<i>Ledum groenlandicum</i>)	33	●	SC	Perennial	Present	insects	Early spring insect	3
Red raspberry (<i>Rubus idaeus</i>)	31	●	SC	Perennial	Present	insects	Generalist	2
Shrubs								
Fly honeysuckle (<i>Lonicera canadensis</i>)	71	●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Speckled alder (<i>Alnus incana</i>)	67	●●●	Di	Perennial	Present	wind	Generalist	0
Beaked hazelnut (<i>Corylus cornuta</i>)	63	●	Di	Perennial	Present	wind	Generalist	0
Mountain maple (<i>Acer spicatum</i>)	62	●●●	SI	Perennial	Absent	insects	Early spring insect	6
Swamp red currant (<i>Ribes triste</i>)	51	●	SI	Perennial	Present	insects	Generalist	4
Red-osier dogwood (<i>Cornus sericea</i>)	47	●	SI	Perennial	Present	insects	Generalist	4
Juneberries (<i>Amelanchier</i> spp.)	43	●	Varies	Perennial	Present	insects	Early spring insect	Varies
Dwarf alder (<i>Rhamnus alnifolia</i>)	29	●	UNK	Perennial	Absent	insects	Generalist	4
Tree Canopy								
White cedar	83	●●●●	UNK	Perennial	Absent	wind	Generalist	0
Balsam fir	46	●●	UNK	Perennial	Absent	wind	Generalist	0
Black ash	42	●●●	D	Perennial	Absent	wind	Generalist	0
Paper birch	40	●●	Di	Perennial	Present	wind	Generalist	0
Black spruce	24	●●	UNK	Perennial	Absent	wind	Generalist	0
White spruce	18	●●	UNK	Perennial	Absent	wind	Generalist	0
Yellow birch	17	●	Di	Perennial	Present	wind	Generalist	0
Red maple	-	-	D	Perennial	Absent	insects	Early spring insect	6
Mountain ash	-	-	A	Perennial	Weakly	insects	Generalist	2
American elm	-	-	Di	Perennial	Absent	wind	Generalist	0
Tree Subcanopy								
White cedar	70	●●●	UNK	Perennial	Absent	wind	Generalist	0
Balsam fir	59	●●●	UNK	Perennial	Absent	wind	Generalist	0
Black ash	57	●●●	D	Perennial	Absent	wind	Generalist	0
Paper birch	36	●	Di	Perennial	Present	wind	Generalist	0
Black spruce	17	●●	UNK	Perennial	Absent	wind	Generalist	0
White spruce	17	●	UNK	Perennial	Absent	wind	Generalist	0
Yellow birch	25	●●	Di	Perennial	Present	wind	Generalist	0

Red maple	13	●	D	Perennial	Absent	insects	Early spring insect	6
Mountain ash	11	●	A	Perennial	Weakly	insects	Generalist	2
American elm	9	●	Di	Perennial	Absent	wind	Generalist	0
Tree Shrub Layer								
White cedar	70	●	UNK	Perennial	Absent	wind	Generalist	0
Balsam fir	80	●●	UNK	Perennial	Absent	wind	Generalist	0
Black ash	75	●●	D	Perennial	Absent	wind	Generalist	0
Paper birch	39	●	Di	Perennial	Present	wind	Generalist	0
Black spruce	19	●	UNK	Perennial	Absent	wind	Generalist	0
White spruce	29	●	UNK	Perennial	Absent	wind	Generalist	0
Yellow birch	28	●	Di	Perennial	Present	wind	Generalist	0
Red maple	50	●	D	Perennial	Absent	insects	Early spring insect	6
Mountain ash	39	●	A	Perennial	Weakly	insects	Generalist	2
American elm	23	●	Di	Perennial	Absent	wind	Generalist	0

* Spinulose shield fern or Glandular wood fern (*Dryopteris carthusiana* or *D. intermedia*)