

FPs63 Southern Rich Conifer Swamp Pollinator Resources

Tamarack-dominated swamps on shallow to deep peat in basins on moraines and outwash plains. Occasionally on floating mats at edges of ponds or lakes.

Examples of insect pollinators (and their associated host plants in parentheses) that use FPs63 include:

Bees:

Andrena melanochroa (Rosaceae)

Andrena persimulata (Cornus [Swida])

Colletes americanus (Symphyotrichum)

Butterflies:

Polygonia progne (Ribes)

Argynnis cybele (Viola)

Satyrium acadica (Salix)

Moths:

Acleris cornana (Cornus sericea)

Ceratonia amyntor (Ulmus americana)

Macaria sexmaculata (Larix laricina)

Lithophane patefacta (Acer rubrum)



Andrena melanochroa (rose miner bee) uses species in the Rosaceae (rose) family as a host plant.

Photo: Michael Veit

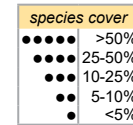


Satyrium acadica uses *Salix* (willow) species as a host plant. Photo: Bob Dunlap

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Pollinator Resources Table

FPs63 Class Factsheet. Based on 30 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>)	87	●●●	SC	Perennial	Present	insects	Generalist	2
Common marsh marigold (<i>Caltha palustris</i>)	77	●	SI	Perennial	Present	insects	Early spring insect	5
Touch-me-not (<i>Impatiens</i> spp.)	70	●●	SI/SC	Annual	Absent	insects	Somewhat specific insect	6
Northern marsh fern (<i>Thelypteris palustris</i>)	70	●●●	SC	Perennial	Present	wind, water	Generalist	0
Sweet-scented bedstraw (<i>Galium triflorum</i>)	63	●	UNK	Perennial	Present	insects	Generalist	3
Starflower (<i>Trientalis borealis</i>)	63	●	SI/sc	Perennial	Present	insects	Generalist	3
Tufted loosestrife (<i>Lysimachia thysiflora</i>)	63	●●	SI	Perennial	Present	insects	Generalist	4
Canada mayflower (<i>Maianthemum canadense</i>)	57	●●	SI	Perennial	Present	insects	Early spring insect	5
Great water dock (<i>Rumex orbiculatus</i>)	53	●	UNK	Perennial	UNK	wind	Generalist	0
Three-leaved false Solomon's seal (<i>Smilacina trifolia</i>)	53	●	UNK	Perennial	Present	insects	Early spring insect	4
Bulb-bearing water hemlock (<i>Cicuta bulbifera</i>)	47	●	UNK	Perennial	Absent	insects	Generalist	4
Bog aster (<i>Aster borealis</i>)	47	●	UNK	Perennial	Present	insects	Generalist	3
Northern bugleweed (<i>Lycopus uniflorus</i>)	47	●	SC	Perennial	Weakly	insects	Generalist	2
Red-stemmed aster (<i>Aster puniceus</i>)	47	●	SI	Perennial	Present	insects	Generalist	4
Marsh bellflower (<i>Campanula aparinoides</i>)	47	●	UNK	Perennial	Present	insects	Generalist	3
Spinulose shield fern or Glandular wood fern*	47	●	SC	Perennial	Present	wind, water	Generalist	0
Spotted Joe pye weed (<i>Eupatorium maculatum</i>)	43	●	UNK	Perennial	Present	insects	Generalist	3
Water horsetail (<i>Equisetum fluviatile</i>)	43	●●	SC	Perennial	Present	wind, water	Generalist	0
Crested fern (<i>Dryopteris cristata</i>)	40	●	SC	Perennial	Present	wind, water	Generalist	0
Bunchberry (<i>Cornus canadensis</i>)	40	●	SI	Perennial	Present	insects	Generalist	4
Tall Northern bog orchid (<i>Platanthera hyperborea</i>)	40	●	SC	Perennial	Weakly	insects	Very specialized insect	4
Pink shinleaf (<i>Pyrola asarifolia</i>)	40	●	UNK	Perennial	Present	insects	Buzz pollination	5
Big-leaf white violet or Northern white violet**	37	●	Varies	Perennial	Present	insects	Varies	Varies
Alpine enchanter's nightshade (<i>Circaea alpina</i>)	37	●	SC	Perennial	Present	insects	Generalist	2
Bur marigold and Beggarticks (<i>Bidens</i> spp.)	37	●●	Varies	Varies	Varies	insects	Generalist	Varies
Common strawberry (<i>Fragaria virginiana</i>)	33	●	SC	Perennial	Present	insects	Early spring insect	3
Clearweed (<i>Pilea</i> spp.)	33	●	sometimes D	Annual	Absent	wind	Generalist	0
Showy lady's slipper (<i>Cypripedium reginae</i>)	33	●	SC	Perennial	Weakly	insects	Very specialized insect	4
Marsh skullcap (<i>Scutellaria galericulata</i>)	33	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Swamp saxifrage (<i>Saxifraga pensylvanica</i>)	33	●	UNK	Perennial	Present	insects	Generalist	3
Naked miterwort (<i>Mitella nuda</i>)	33	●●	UNK	Perennial	Present	insects	Early spring insect	4
Mad dog skullcap (<i>Scutellaria lateriflora</i>)	30	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Grasses and Sedges								
Bristle-stalked sedge (<i>Carex leptalea</i>)	70	●●●	UNK	Perennial	Present	wind	Generalist	0
Soft-leaved sedge (<i>Carex disperma</i>)	47	●●●	UNK	Perennial	Present	wind	Generalist	0
Bluejoint (<i>Calamagrostis canadensis</i>)	43	●	A	Perennial	Present	wind	Generalist	0
Fowl manna grass (<i>Glyceria striata</i>)	43	●	UNK	Perennial	Present	wind	Generalist	0

Grasses and Sedges cont.								
Fringed brome (<i>Bromus ciliatus</i>)	33	•	SC	Perennial	Absent	wind	Generalist	0
Interior sedge (<i>Carex interior</i>)	33	•••	UNK	Perennial	Present	wind	Generalist	0
Fen wiregrass sedge (<i>Carex lasiocarpa</i>)	30	•••	SI	Perennial	Present	wind	Generalist	0
Climbing Plants								
Virginia creeper (<i>Parthenocissus</i> spp.)	60	•	SC	Perennial	Present	insects	Generalist	2
Wild grape (<i>Vitis riparia</i>)	40	•	D	Perennial	Present	insects	Generalist	4
Wild honeysuckle (<i>Lonicera dioica</i>)	37	•	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Low Shrubs								
Red raspberry (<i>Rubus idaeus</i>)	43	•	SC	Perennial	Present	insects	Generalist	2
Labrador tea (<i>Ledum groenlandicum</i>)	30	••	SC	Perennial	Present	insects	Early spring insect	3
Tall Shrubs								
Red-osier dogwood (<i>Cornus sericea</i>)	77	••	SI	Perennial	Present	insects	Generalist	4
Bog birch (<i>Betula pumila</i>)	77	••	Di	Perennial	Present	wind	Generalist	0
Swamp gooseberry (<i>Ribes hirtellum</i>)	60	•	SI	Perennial	Present	insects	Generalist	4
Poison ivy (<i>Toxicodendron rydbergii</i>)	57	•	D	Perennial	Present	insects	Generalist	4
Dwarf alder (<i>Rhamnus alnifolia</i>)	50	•	UNK	Perennial	Absent	insects	Generalist	4
Speckled alder (<i>Alnus incana</i>)	50	•••	Di	Perennial	Present	wind	Generalist	0
Swamp red currant (<i>Ribes triste</i>)	47	•	SI	Perennial	Present	insects	Generalist	4
Juneberries (<i>Amelanchier</i> spp.)	43	•	Varies	Perennial	Present	insects	Early spring insect	Varies
Mountain fly honeysuckle (<i>Lonicera villosa</i>)	37	•	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Pussy willow (<i>Salix discolor</i>)	30	••	D	Perennial	Present	insects	Early spring insect	5
Tree Canopy								
Tamarack	93	••••	SI	Perennial	Absent	wind	Generalist	0
Paper birch	37	•	Di	Perennial	Present	wind	Generalist	0
American elm	23	•	Di	Perennial	Absent	wind	Generalist	0
Black spruce	17	•••	UNK	Perennial	Absent	wind	Generalist	0
Red maple	13	•	D	Perennial	Absent	insects	Early spring insect	6
Black ash	13	•	D	Perennial	Absent	wind	Generalist	0
Northern red oak	-	-	SI	Perennial	Present	wind	Generalist	0
Box elder	-	-	D	Perennial	Absent	insects	Early spring insect	6
Tree Understory								
Tamarack	60	•••	SI	Perennial	Absent	wind	Generalist	0
Paper birch	30	•	Di	Perennial	Present	wind	Generalist	0
American elm	57	••	Di	Perennial	Absent	wind	Generalist	0
Black spruce	17	•	UNK	Perennial	Absent	wind	Generalist	0
Red maple	37	•	D	Perennial	Absent	insects	Early spring insect	6
Black ash	37	•	D	Perennial	Absent	wind	Generalist	0
Northern red oak	30	•	SI	Perennial	Present	wind	Generalist	0
Box elder	27	•	D	Perennial	Absent	insects	Early spring insect	6

* Spinulose shield fern or Glandular wood fern (*Dryopteris carthusiana* or *D. intermedia*); Big-leaf white violet or Northern white violet (*Viola blanda* or *V. macloskeyi*)