

OPp93 Prairie Extremely Rich Fen Pollinator Resources

Open graminoid-dominated fens on permanently saturated peat sustained by mineral-rich groundwater discharge, with little influence from surface water inputs. Typically present on sloping sites; peat is sometimes mounded or domed. Small pools and sparsely vegetated marly peat areas are commonly present.

Examples of insect pollinators (and their associated host plants in parentheses) that use OPp93 include:

Bees:

Andrena simplex (*Symphyotrichum*)

Melissodes rivalis (*Cirsium*)

Andrena vernalis (*Zizia*)

Butterflies:

Oarisma poweshiek (*Muhlenbergia richardsonis*)

Hesperia dacotae (*Andropogon gerardii*)

Atrytonopsis hianna (*Andropogon gerardii*)

Moths:

Acleris cornana (*Cornus sericea*)

Malacosoma californica (*Betula pumila*)

Tricholita signata (*Cirsium muticum*)

Oidaematophorus eupatorii (*Eutrochium maculatum*)



Atrytonopsis hianna (dusted skipper) uses *Andropogon gerardii* (big bluestem) as a host plant.
Photo: Bob Dunlap

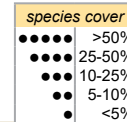


Tricholita signata (signate Quaker) uses *Cirsium muticum* (swamp thistle) as a host plant. Photo: Bob Dunlap

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Pollinator Resources Table

OPp93 Class Factsheet. Based on 78 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Spotted Joe pye weed (<i>Eupatorium maculatum</i>)	71	●	UNK	Perennial	Present	insects	Generalist	3
Northern bog violet (<i>Viola nephrophylla</i>)*	71	●	CL flowers present	Perennial	Present	insects	Early spring insect	4
Bog aster (<i>Aster borealis</i>)	67	●	UNK	Perennial	Present	insects	Generalist	3
Flat-topped aster (<i>Aster umbellatus</i>)	67	●	UNK	Perennial	Present	insects	Generalist	3
Swamp lousewort (<i>Pedicularis lanceolata</i>)	65	●	UNK	Perennial	Present	insects	Buzz pollination	5
American grass-of-Parnassus (<i>Parnassia glauca</i>)	58	●●	UNK	Perennial	Present	insects	Generalist	3
Kalm's lobelia (<i>Lobelia kalmii</i>)	58	●	UNK	Perennial	Weakly	insects	Very specialized insect	5
Giant, Sawtooth, or Nuttall's sunflower**	54	●●	SI	Perennial	Present	insects	Generalist	4
Seaside arrowgrass (<i>Triglochin maritima</i>)	49	●●	UNK	Perennial	Present	wind	Generalist	0
Northern bedstraw (<i>Galium boreale</i>)	47	●	SI	Perennial	Present	insects	Generalist	4
Riddell's goldenrod (<i>Solidago riddellii</i>)	45	●	SI	Perennial	Present	insects	Generalist	4
Swamp thistle (<i>Cirsium muticum</i>)	41	●	GD	Biennial	Absent	insects	Generalist	6
Marsh arrowgrass (<i>Triglochin palustris</i>)	38	●	UNK	Perennial	Present	wind	Generalist	0
Virginia mountain mint (<i>Pycnanthemum virginianum</i>)	32	●	SC	Perennial	Present	insects	Generalist	2
Lesser fringed gentian (<i>Gentianopsis procera</i>)	32	●	UNK	Annual or biennial	Absent	insects	Somewhat specific insect	6
Common boneset (<i>Eupatorium perfoliatum</i>)	31	●	SI	Perennial	Present	insects	Generalist	4
Grass-leaved goldenrod (<i>Euthamia graminifolia</i>)	29	●	A	Perennial	Present	insects	Generalist	2
Broad-leaf cattail (<i>Typha latifolia</i>)	28	●●	SC	Perennial	Present	wind	Generalist	0
Canada goldenrod (<i>Solidago canadensis</i>)	28	●	SI	Perennial	Present	insects	Generalist	4
Prairie loosestrife (<i>Lysimachia quadriflora</i>)	28	●	SI	Perennial	Present	insects	Generalist	4
Northern bugleweed (<i>Lycopus uniflorus</i>)	28	●	SC	Perennial	Weakly	insects	Generalist	2
Narrow-leaved and Hybrid cattail (<i>Typha</i> spp.)***	27	●●	SC	Perennial	Present	wind	Generalist	0
Red-stemmed aster (<i>Aster puniceus</i> and <i>A. firmus</i>)	23	●	Varies	Perennial	Present	insects	Generalist	Varies
Giant goldenrod (<i>Solidago gigantea</i>)	23	●	GM	Perennial	Present	insects	Generalist	4
Dwarf raspberry (<i>Rubus pubescens</i>)	22	●●	SC	Perennial	Present	insects	Generalist	2
Golden alexanders (<i>Zizia aurea</i>)	22	●	SC	Perennial	Absent	insects	Generalist	3
Sticky false asphodel (<i>Tofieldia glutinosa</i>)	22	●	UNK	Perennial	Present	insects	Generalist	3
New England aster (<i>Aster novae-angliae</i>)	21	●	SI	Perennial	Present	insects	Generalist	4
Labrador bedstraw (<i>Galium labradoricum</i>)	21	●	UNK	Perennial	Present	insects	Generalist	3
Swamp milkweed (<i>Asclepias incarnata</i>)	21	●	SC/si	Perennial	Absent	insects	Somewhat specific insect	5
Tall meadow-rue (<i>Thalictrum dasycarpum</i>)	19	●	D	Perennial	Present	wind	Generalist	0
Marsh bellflower (<i>Campanula aparinoides</i>)	18	●	UNK	Perennial	Present	insects	Generalist	3
Marsh grass-of-Parnassus (<i>Parnassia palustris</i>)	17	●	SC	Perennial	Present	insects	Generalist	2
Cut-leaved bugleweed (<i>Lycopus americanus</i>)	17	●	SC	Perennial	Weakly	insects	Generalist	2
Golden or False golden ragwort (<i>Senecio aureus</i> or <i>S. pseud aureus</i>)	15	●	SI	Perennial	Varies	insects	Generalist	Varies
Yellow stargrass (<i>Hypoxis hirsuta</i>)	15	●	SI	Perennial	Present	insects	Generalist	4

Grasses and Sedges									
Clustered muhly grass (<i>Muhlenbergia glomerata</i>)	86	●●	UNK	Perennial	Present	wind	Generalist		0
Sterile sedge (<i>Carex sterilis</i>)	76	●●●	D	Perennial	Present	wind	Generalist		0
Mat muhly grass (<i>Muhlenbergia richardsonis</i>)	69	●●●	UNK	Perennial	Present	wind	Generalist		0
Rigid sedge (<i>Carex tetanica</i>)	55	●	UNK	Perennial	Present	wind	Generalist		0
Narrow reed grass (<i>Calamagrostis stricta</i>)	54	●	A	Perennial	Present	wind	Generalist		0
Big bluestem (<i>Andropogon gerardii</i>)	49	●●	SI	Perennial	Present	wind	Generalist		0
Prairie sedge (<i>Carex prairea</i>)	45	●●●	UNK	Perennial	Present	wind	Generalist		0
Tall cottongrass (<i>Eriophorum polystachion</i>)	45	●	UNK	Perennial	Present	wind	Generalist		0
Hardstem and Slender bulrush (<i>Scirpus acutus</i> and <i>S. heterochaetus</i>)	42	●●●	UNK	Perennial	Present	wind	Generalist		0
Fringed brome (<i>Bromus ciliatus</i>)	41	●	SC	Perennial	Absent	wind	Generalist		0
Aquatic sedge (<i>Carex aquatilis</i>)	36	●	SI	Perennial	Present	wind	Generalist		0
Tussock sedge (<i>Carex stricta</i>)	35	●●●	UNK	Perennial	Present	wind	Generalist		0
Flattened spikerush (<i>Eleocharis compressa</i>)	35	●	SC	Perennial	Present	wind	Generalist		0
Hair-like beak rush (<i>Rhynchospora capillacea</i>)	28	●●●	UNK	Perennial	Present	wind	Generalist		0
Fen wiregrass sedge (<i>Carex lasiocarpa</i>)	28	●●●	SI	Perennial	Present	wind	Generalist		0
Interior sedge (<i>Carex interior</i>)	28	●	UNK	Perennial	Present	wind	Generalist		0
Fowl manna grass (<i>Glyceria striata</i>)	27	●	UNK	Perennial	Present	wind	Generalist		0
Tufted hair grass (<i>Deschampsia cespitosa</i>)	24	●●	UNK	Perennial	Absent	wind	Generalist		0
Tufted bulrush (<i>Scirpus cespitosus</i>)	22	●●	UNK	Perennial	Absent	wind	Generalist		0
Three-square bulrush (<i>Scirpus pungens</i>)	21	●●●●	UNK	Perennial	Present	wind	Generalist		0
Red-stalked spikerush (<i>Eleocharis palustris</i>)	21	●	SC	Perennial	Present	wind	Generalist		0
Sartwell's sedge (<i>Carex sartwellii</i>)	19	●●	UNK	Perennial	Present	wind	Generalist		0
Lead-colored sedge (<i>Carex livida</i>)	19	●	UNK	Perennial	Present	wind	Generalist		0
Shrubs									
Red-osier dogwood (<i>Cornus sericea</i>)	55	●	SI	Perennial	Present	insects	Generalist		4
Bog birch (<i>Betula pumila</i>)	54	●●●	Di	Perennial	Present	wind	Generalist		0
Sage-leaved willow (<i>Salix candida</i>)	50	●	D	Perennial	Present	insects	Early spring insect		5
Shrubby cinquefoil (<i>Potentilla fruticosa</i>)	42	●●●	SC	Perennial	Absent	insects	Generalist		3
Pussy willow (<i>Salix discolor</i>)	33	●	D	Perennial	Present	insects	Early spring insect		5
Bebb's willow (<i>Salix bebbiana</i>)	29	●	D	Perennial	Present	insects	Early spring insect		5
Autumn willow (<i>Salix serissima</i>)	28	●	D	Perennial	Present	insects	Early spring insect		5
Slender willow (<i>Salix petiolaris</i>)	22	●	D	Perennial	Present	insects	Early spring insect		5

* Northern bog violet (*Viola nephrophylla*), possibly with Common blue violet (*Viola sororia*); **Giant, Sawtooth, or Nuttall's sunflower (*Helianthus giganteus*, *H. grosseserratus*, or *H. nuttallii*); ***Narrow-leaved and Hybrid cattail (*Typha angustifolia* and *T. x glauca*)