

OPp91 Prairie Rich Fen Pollinator Resources

Open graminoid-dominated peatlands in glacial lake plains and broad glacial drainageways in the prairie region. Dominated by fine-leaved sedges and grasses, with low shrubs absent to common.

Examples of insect pollinators (and their associated host plants in parentheses) that use OPp91 include:

Bees:

Andrena mariae (*Salix*)

Melissodes desponsus (*Cirsium*)

Colletes americanus (*Solidago*)

Butterflies:

Satyrium acadica (*Salix*)

Danaus plexippus (*Asclepias*)

Chlosyne gorgone (*Lysimachia thyrsiflora*)

Moths:

Tricholita signata (*Cirsium muticum*)

Macronoctua onusta (*Iris versicolor*)

Epiblema scudderiana (*Euthamia graminifolia*)

Limnaecia phragmitella (*Typha angustifolia*)



Andrena mariae uses *Salix* (willow) species as a host plant. Photo: Heather Holm

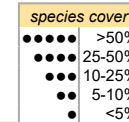


Tricholita signata (signate Quaker) uses *Cirsium muticum* (swamp thistle) as a host plant. Photo: Bob Dunlap

OPp91 Prairie Rich Fen

Pollinator Resources Table

OPp91 Class Factsheet. Based on 128 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Marsh bellflower (<i>Campanula aparinoides</i>)	55	●	UNK	Perennial	Present	insects	Generalist	3
Bog aster (<i>Aster borealis</i>)	54	●●	UNK	Perennial	Present	insects	Generalist	3
Grass-leaved goldenrod (<i>Euthamia graminifolia</i>)	51	●●	A	Perennial	Present	insects	Generalist	2
Tufted loosestrife (<i>Lysimachia thysiflora</i>)	48	●	SI	Perennial	Present	insects	Generalist	4
Eastern panicled aster (<i>Aster lanceolatus</i>)	45	●●	SI	Perennial	Present	insects	Generalist	4
Cut-leaved bugleweed (<i>Lycopus americanus</i>)	41	●	SC	Perennial	Weakly	insects	Generalist	2
Swamp milkweed (<i>Asclepias incarnata</i>)	39	●	SC/si	Perennial	Absent	insects	Somewhat specific insect	5
Northern bugleweed (<i>Lycopus uniflorus</i>)	37	●	SC	Perennial	Weakly	insects	Generalist	2
Water smartweed (<i>Polygonum amphibium</i>)	35	●●	Ge	Perennial	Present	insects	Generalist	2
Marsh St. John's wort (<i>Triadenum fraseri</i>)	31	●	UNK	Perennial	Present	insects	Generalist	3
Kalm's lobelia (<i>Lobelia kalmii</i>)	30	●	UNK	Perennial	Weakly	insects	Very specialized insect	5
Rough bugleweed (<i>Lycopus asper</i>)	30	●	SC	Perennial	Weakly	insects	Generalist	2
Common mint (<i>Mentha arvensis</i>)	29	●	SC	Perennial	Present	insects	Generalist	2
Marsh cinquefoil (<i>Potentilla palustris</i>)	27	●	SC	Perennial	Present	insects	Generalist	2
Labrador bedstraw (<i>Galium labradoricum</i>)	26	●	UNK	Perennial	Present	insects	Generalist	3
Seaside arrowgrass (<i>Triglochin maritima</i>)	26	●	UNK	Perennial	Present	wind	Generalist	0
Canada goldenrod (<i>Solidago canadensis</i>)	24	●	SI	Perennial	Present	insects	Generalist	4
Narrow-leaved and hybrid cattail (<i>Typha</i> spp.)*	20	●	SC	Perennial	Present	wind	Generalist	0
Silverweed (<i>Potentilla anserina</i>)	19	●●	SI	Perennial	Present	insects	Generalist	4
Marsh skullcap (<i>Scutellaria galericulata</i>)	19	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Northern blue flag (<i>Iris versicolor</i>)	19	●	SC and SI	Perennial	Present	insects	Somewhat specific insect	4
Germander (<i>Teucrium canadense</i>)	17	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Spotted Joe pye weed (<i>Eupatorium maculatum</i>)	17	●	UNK	Perennial	Present	insects	Generalist	3
Swamp lousewort (<i>Pedicularis lanceolata</i>)	17	●	UNK	Perennial	Present	insects	Buzz pollination	5
Linear-leaved, Marsh, or Downy willow-herb**	16	●	Varies	Perennial	Present	insects	Generalist	3
Giant, Sawtooth, or Nuttall's sunflower (<i>Helianthus</i> spp.)***	15	●	SI	Perennial	Present	insects	Generalist	4
Woundwort (<i>Stachys palustris</i>)	14	●●	SC	Perennial	Present	insects	Somewhat specific insect	3
Common marsh marigold (<i>Caltha palustris</i>)	14	●	SI	Perennial	Present	insects	Early spring insect	5
Giant goldenrod (<i>Solidago gigantea</i>)	13	●	GM	Perennial	Present	insects	Generalist	4
Northern bog violet (<i>Viola nephrophylla</i>)****	13	●	CL flowers present	Perennial	Present	insects	Early spring insect	4
Northern marsh fern (<i>Thelypteris palustris</i>)	12	●●	SC	Perennial	Present	wind, water	Generalist	0
Spotted water hemlock (<i>Cicuta maculata</i>)	11	●	SC	Perennial	Present	insects	Generalist	2
Swamp thistle (<i>Cirsium muticum</i>)	10	●	GD	Biennial	Absent	insects	Generalist	6
Broad-leaf cattail (<i>Typha latifolia</i>)	9	●●	SC	Perennial	Present	wind	Generalist	0
Clasping dogbane (<i>Apocynum sibiricum</i>)	9	●	SI	Perennial	Present	insects	Generalist	4
Marsh vetchling (<i>Lathyrus palustris</i>)	9	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Lesser fringed gentian (<i>Gentianopsis procera</i>)	9	●	UNK	Annual or biennial	Absent	insects	Somewhat specific insect	6
Poor gerardia (<i>Agalinis purpurea</i>)	9	●●	herkogamy, SI	Annual	Absent	insects	Somewhat specific insect	7

Grasses and Sedges								
Stiff reed grass (<i>Calamagrostis stricta</i>)	92	●●●	A	Perennial	Present	wind	Generalist	0
Fen wiregrass sedge (<i>Carex lasiocarpa</i>)	90	●●●●	SI	Perennial	Present	wind	Generalist	0
Buxbaum's sedge (<i>Carex buxbaumii</i>)	74	●●●	UNK	Perennial	Present	wind	Generalist	0
Tall cottongrass (<i>Eriophorum polystachion</i>)	44	●●	UNK	Perennial	Present	wind	Generalist	0
Flattened spikerush (<i>Eleocharis compressa</i>)	41	●●	SC	Perennial	Present	wind	Generalist	0
Clustered muhly grass (<i>Muhlenbergia glomerata</i>)	41	●●●	UNK	Perennial	Present	wind	Generalist	0
Lead-colored sedge (<i>Carex livida</i>)	39	●●●	UNK	Perennial	Present	wind	Generalist	0
Hardstem and Slender bulrush (<i>Scirpus</i> spp.)*****	30	●	UNK	Perennial	Present	wind	Generalist	0
Sartwell's sedge (<i>Carex sartwellii</i>)	27	●●●	UNK	Perennial	Present	wind	Generalist	0
Tufted hair grass (<i>Deschampsia cespitosa</i>)	21	●●	UNK	Perennial	Absent	wind	Generalist	0
Aquatic sedge (<i>Carex aquatilis</i>)	19	●●●	SI	Perennial	Present	wind	Generalist	0
Baltic rush (<i>Juncus arcticus</i>)	17	●●●	SC	Perennial	Present	wind	Generalist	0
Common reed grass (<i>Phragmites australis</i>)	16	●●	SI	Perennial	Present	wind	Generalist	0
Bluejoint (<i>Calamagrostis canadensis</i>)	13	●	A	Perennial	Present	wind	Generalist	0
Hairy panic grass (<i>Panicum lanuginosum</i>)	12	●●	UNK	Perennial	Absent	wind	Generalist	0
Twig rush (<i>Cladium mariscoides</i>)	10	●●●	UNK	Perennial	Present	wind	Generalist	0
Woolly sedge (<i>Carex pellita</i>)	10	●●●	SI	Perennial	Present	wind	Generalist	0
Lake sedge (<i>Carex lacustris</i>)	8	●●	UNK	Perennial	Present	wind	Generalist	0

Shrubs								
Slender willow (<i>Salix petiolaris</i>)	59	●●	D	Perennial	Present	insects	Early spring insect	5
Sage-leaved willow (<i>Salix candida</i>)	46	●●	D	Perennial	Present	insects	Early spring insect	5
Autumn willow (<i>Salix serissima</i>)	33	●	D	Perennial	Present	insects	Early spring insect	5
Shrubby cinquefoil (<i>Potentilla fruticosa</i>)	29	●●●	SC	Perennial	Absent	insects	Generalist	3
Pussy willow (<i>Salix discolor</i>)	23	●	D	Perennial	Present	insects	Early spring insect	5
Bog willow (<i>Salix pedicellaris</i>)	23	●	D	Perennial	Present	insects	Early spring insect	5
Bog birch (<i>Betula pumila</i>)	21	●●	Di	Perennial	Present	wind	Generalist	0
Bebb's willow (<i>Salix bebbiana</i>)	18	●	D	Perennial	Present	insects	Early spring insect	5
Hoary-fruited willow (<i>Salix maccalliana</i>)	13	●	D	Perennial	Present	insects	Early spring insect	5
Heart-leaved willow (<i>Salix eriocephala</i>)	10	●	D	Perennial	Present	insects	Early spring insect	5
Red-osier dogwood (<i>Cornus sericea</i>)	8	●	SI	Perennial	Present	insects	Generalist	4

*Narrow-leaved and Hybrid cattail (*Typha angustifolia* and *T. x glauca*); **Linear-leaved, Marsh, or Downy willow-herb (*Epilobium leptophyllum*, *E. palustre*, or *E. strictum*); ***Giant, Sawtooth, or Nuttall's sunflower (*Helianthus giganteus*, *H. grosseserratus*, or *H. nuttallii*); ****Northern bog violet (*Viola nephrophylla* and possibly *Viola sororia*); *****Hard stem and Slender bulrush (*Scirpus acutus* and *S. heterochaetus*).