

FDc23 Central Poor Dry Pine Woodland Pollinator Resources

Dry-mesic pine woodlands on sandy, level to gently undulating outwash deposits. Crown fires and surface fires were common historically.

Examples of insect pollinators (and their associated host plants in parentheses) that use FDc23 include:

Bees:

Andrena melanochroa (Rosaceae)
Megachile campanulae (Campanula)
Colletes willistoni (Physalis)

Butterflies:

Satyrium titus (Prunus)
Callophrys polios (Arctostaphylos uva-ursi)
Callophrys niphon (Pinus baskiana)

Moths:

Chlorochlamys chloroleucaria (Achillea millefolium)
Cycnia tenera (Apocynum androsaemifolium)
Pseudothyatira cymatophoroides (Rubus idaeus var. strigosus)



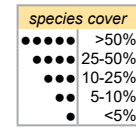
Megachile campanulae (bellflower resin bee) uses *Campanula* (harebell) species as a host plant. Photo: Heather Holm



Callophrys niphon (eastern pine elfin) uses *Pinus banksiana* (Jack pine) as a host plant. Photo: Bob Dunlap

FDC23 Central Dry Pine Woodland Pollinator Resources Table

FDC23 Class Factsheet. Based on 43 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>)	100	●	SI	Perennial	Present	insects	Early spring insect	5
Northern bedstraw (<i>Galium boreale</i>)	95	●	SI	Perennial	Present	insects	Generalist	4
Common strawberry (<i>Fragaria virginiana</i>)	91	●	SC	Perennial	Present	insects	Early spring insect	3
Yarrow (<i>Achillea millefolium</i>)	84	●	SI	Perennial	Present	insects	Generalist	4
Lindley's aster (<i>Aster ciliolatus</i>)	79	●	UNK	Perennial	Present	insects	Generalist	3
Pale vetchling (<i>Lathyrus ochroleucus</i>)	72	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Spreading dogbane (<i>Apocynum androsaemifolium</i>)	72	●	SI	Perennial	Present	insects	Generalist	4
Hoary puccoon (<i>Lithospermum canescens</i>)	72	●	H	Perennial	Absent	insects	Somewhat specific insect	6
Veiny pea (<i>Lathyrus venosus</i>)	67	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Wood anemone (<i>Anemone quinquefolia</i>)	67	●	UNK	Perennial	Present	insects	Early spring insect	4
Field or Variable pussytoes (<i>Antennaria neglecta</i> or <i>A. neodica</i>)	65	●	A	Perennial	Present	wind	Generalist	0
Harebell (<i>Campanula rotundifolia</i>)	65	●	± SI	Perennial	Present	insects	Generalist	4
Hairy goldenrod (<i>Solidago hispida</i>)	65	●	SI	Perennial	Present	insects	Generalist	4
One-sided pyrola (<i>Pyrola secunda</i>)	63	●	UNK	Perennial	Present	insects	Somewhat specific insect, facultative buzz pollination	4
American vetch (<i>Vicia americana</i>)	60	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Skyblue aster (<i>Aster oolentangiensis</i>)	51	●	SI	Perennial	Present	insects	Generalist	4
Smooth blue aster (<i>Aster laevis</i>)	49	●	SI	Perennial	Present	insects	Generalist	4
Early meadow-rue (<i>Thalictrum dioicum</i>)	47	●	SI	Perennial	Present	wind	Generalist	0
Bracken (<i>Pteridium aquilinum</i>)	44	●●●	SC	Perennial	Present	wind, water	Generalist	0
Virginia ground cherry (<i>Physalis virginiana</i>)	44	●	SI	Perennial	Present	insects	Buzz pollination	6
Oval-leaved milkweed (<i>Asclepias ovalifolia</i>)	44	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Balsam or Prairie ragwort (<i>Senecio pauperculus</i> or <i>S. plattensis</i>)	42	●	UNK	Varies	Present	insects	Generalist	Varies
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	37	●	D	Perennial	Present	insects	Generalist	4
Alumroot (<i>Heuchera richardsonii</i>)	37	●	SI	Perennial	Present	insects	Generalist	4
Round-leaved pyrola (<i>Pyrola rotundifolia</i>)	35	●	UNK	Perennial	Present	insects	Buzz pollination	5
Starry false Solomon's seal (<i>Smilacina stellata</i>)	33	●	UNK	Perennial	Present	insects	Early spring insect	4
Kalm's hawkweed (<i>Hieracium kalmii</i>)	33	●	UNK	Perennial	Absent	insects	Generalist	4
Erect, Smooth, or Illinois carrion-flower*	33	●	D	Perennial	Present	insects	Somewhat specific insect	5
Grasses and Sedges								
Pennsylvania sedge (<i>Carex pennsylvanica</i>)	93	●●●●	SC	Perennial	Present	wind	Generalist	0
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	81	●●	UNK	Perennial	Absent	wind	Generalist	0
Poverty grass (<i>Danthonia spicata</i>)	72	●	SC/si	Perennial	Absent	wind	Generalist	0
Big bluestem (<i>Andropogon gerardii</i>)	70	●●	SI	Perennial	Present	wind	Generalist	0
False melic grass (<i>Schizachne purpurascens</i>)	70	●	UNK	Perennial	Absent	wind	Generalist	0
Slender wheatgrass (<i>Elymus trachycaulus</i>)	56	●	UNK	Perennial	Weakly	wind	Generalist	0
Clustered muhly grass (<i>Muhlenbergia glomerata</i>)	49	●	UNK	Perennial	Present	wind	Generalist	0
Sharp-pointed rice grass (<i>Oryzopsis pungens</i>)	44	●	UNK	Perennial	Absent	wind	Generalist	0
Fringed or Kalm's brome (<i>Bromus ciliatus</i> or <i>B. Kalmii</i>)	38	●	SC	Perennial	Absent	wind	Generalist	0

Low Shrubs								
Lowbush blueberry (<i>Vaccinium angustifolium</i>)	93	••	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Pipsissewa (<i>Chimaphila umbellata</i>)	65	•	SC	Perennial	Present	insects	Somewhat specific insect	3
Red raspberry (<i>Rubus idaeus</i>)	63	••	SC	Perennial	Present	insects	Generalist	2
Wintergreen (<i>Gaultheria procumbens</i>)	58	•	SC	Perennial	Present	insects	Somewhat specific insect	3
Bearberry (<i>Arctostaphylos uva-ursi</i>)	53	••	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Tall blackberries (<i>Rubus allegheniensis</i> and similar <i>Rubus</i> spp.)	42	•	Varies	Perennial	Present	insects	Generalist	Varies
Shrubs								
American hazelnut (<i>Corylus americana</i>)	98	•••	Di	Perennial	Present	wind	Generalist	0
Prickly or Smooth wild rose (<i>Rosa acicularis</i> or <i>R. blanda</i>)	98	•	SC	Perennial	Present	insects	Generalist	2
Prairie willow (<i>Salix humilis</i>)	91	•	D	Perennial	Present	insects	Early spring insect	5
Juneberries (<i>Amelanchier</i> spp.)	91	•	Varies	Perennial	Present	insects	Early spring insect	Varies
Chokecherry (<i>Prunus virginiana</i>)	88	•	SI	Perennial	Present	insects	Early spring insect	5
Snowberry or Wolfberry (<i>Symphoricarpos albus</i> or <i>S. occidentalis</i>)	63	••	SC	Perennial	Present	insects	Generalist	2
Poison ivy (<i>Toxicodendron rydbergii</i>)	56	•	D	Perennial	Present	insects	Generalist	4
Pin cherry (<i>Prunus pensylvanica</i>)	49	•	SI	Perennial	Present	insects	Early spring insect	5
Beaked hazelnut (<i>Corylus cornuta</i>)	37	••	Di	Perennial	Present	wind	Generalist	0
Bush honeysuckle (<i>Diervilla lonicera</i>)	35	•	SC	Perennial	Present	insects	Somewhat specific insect	3
Tree Canopy								
Jack pine	98	•••••	UNK	Perennial	Absent	wind	Generalist	0
Northern red oak**	23	••	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	21	••	D	Perennial	Present	wind	Generalist	0
Red pine	16	•	UNK	Perennial	Absent	wind	Generalist	0
Bur oak	12	•••	SI	Perennial	Present	wind	Generalist	0
Paper birch	9	••	Di	Perennial	Present	wind	Generalist	0
Big-toothed aspen	7	•	D	Perennial	Present	wind	Generalist	0
Red maple	-	-	D	Perennial	Absent	insects	Early spring insect	6
Black cherry	-	-	SI	Perennial	Present	insects	Early spring insect	5
Balsam fir	-	-	UNK	Perennial	Absent	wind	Generalist	0
Tree Subcanopy								
Jack pine	19	•	UNK	Perennial	Absent	wind	Generalist	0
Northern red oak**	51	•	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	35	•	D	Perennial	Present	wind	Generalist	0
Red pine	12	•	UNK	Perennial	Absent	wind	Generalist	0
Bur oak	60	••	SI	Perennial	Present	wind	Generalist	0
Paper birch	23	•	Di	Perennial	Present	wind	Generalist	0
Big-toothed aspen	12	•	D	Perennial	Present	wind	Generalist	0
Red maple	14	•	D	Perennial	Absent	insects	Early spring insect	6
Black cherry	9	•	SI	Perennial	Present	insects	Early spring insect	5
Balsam fir	7	•	UNK	Perennial	Absent	wind	Generalist	0

Tree Shrub Layer

Jack pine	47	•	UNK	Perennial	Absent	wind	Generalist	0
Northern red oak**	79	•	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	51	•	D	Perennial	Present	wind	Generalist	0
Red pine	12	•	UNK	Perennial	Absent	wind	Generalist	0
Bur oak	77	•	SI	Perennial	Present	wind	Generalist	0
Paper birch	26	•	Di	Perennial	Present	wind	Generalist	0
Big-toothed aspen	14	•	D	Perennial	Present	wind	Generalist	0
Red maple	30	•	D	Perennial	Absent	insects	Early spring insect	6
Black cherry	16	•	SI	Perennial	Present	insects	Early spring insect	5
Balsam fir	21	•	UNK	Perennial	Absent	wind	Generalist	0

*Erect, Smooth, or Illinois carrion-flower (*Smilax ecirrata*, *S. herbacea* or *S. illinoensis*). **Includes northern pin oak and hybrids between northern red oak and northern pin oak