

## FDc25 Central Dry Oak-Aspen (Pine) Woodland Pollinator Resources

Dry-mesic pine or hardwood woodlands on sandy, level to gently undulating outwash deposits or occasionally on sandy inclusions in rolling to hummocky stagnation moraines. Crown fires and mild surface fires were common historically.

**Examples of insect pollinators (and their associated host plants in parentheses) that use FDc25 include:**

**Bees:**

*Andrena melanochroa* (Rosaceae)

*Andrena wilkella* (Fabaceae)

*Hylaeus sparsus* (Apiaceae)

*Osmia virga* (Vaccinium)

**Butterflies:**

*Erynnis brizo* (Quercus)

*Tharsalea epixanthe* (Vaccinium)

*Atrytonopsis hianna* (*Schizachyrium scoparium*)

**Moths:**

*Lithophane patefacta* (*Acer rubrum*)

*Hypercompe scribonia* (*Rubus allegheniensis*)

*Phigalia strigataria* (*Corylus americana*)



*Hylaeus sparsus* uses species in the Apiaceae (carrot) family as a host plant. Photo: Michael Veit



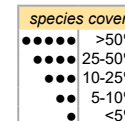
*Atrytonopsis hianna* (dusted skipper) uses *Schizachyrium scoparium* (little bluestem) as a host plant.

Photo: Bob Dunlap

# FDc25 Central Dry Oak-Aspen (Pine) Woodland

## Pollinator Resources Table

FDc25 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
Bracken ( <i>Pteridium aquilinum</i> )	93	●●●	SC	Perennial	Present	wind, water	Generalist	0
Northern bedstraw ( <i>Galium boreale</i> )	83	●	SI	Perennial	Present	insects	Generalist	4
Common strawberry ( <i>Fragaria virginiana</i> )	70	●	SC	Perennial	Present	insects	Early spring insect	3
Canada mayflower ( <i>Maianthemum canadense</i> )	67	●	SI	Perennial	Present	insects	Early spring insect	5
Large-leaved aster ( <i>Aster macrophyllus</i> )	63	●●●	A	Perennial	Present	insects	Generalist	2
Pale bellwort ( <i>Uvularia sessilifolia</i> )	57	●	SI	Perennial	Present	insects	Early spring insect	5
Spreading dogbane ( <i>Apocynum androsaemifolium</i> )	53	●	SI	Perennial	Present	insects	Generalist	4
Wild sarsaparilla ( <i>Aralia nudicaulis</i> )	53	●	D	Perennial	Present	insects	Generalist	4
Hog peanut ( <i>Amphicarpaea bracteata</i> )	50	●●	CH and CL flowers	Annual	Present	insects	Somewhat specific insect	6
Veiny pea ( <i>Lathyrus venosus</i> )	47	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Woodland sunflower ( <i>Helianthus strumosus</i> )	43	●	SI	Perennial	Present	insects	Generalist	4
Yarrow ( <i>Achillea millefolium</i> )	43	●	SI	Perennial	Present	insects	Generalist	4
Lindley's aster ( <i>Aster ciliolatus</i> )	43	●	UNK	Perennial	Present	insects	Generalist	3
Pale vetchling ( <i>Lathyrus ochroleucus</i> )	37	●	SI	Perennial	Present	insects	Somewhat specific insect	5
Wild bergamot ( <i>Monarda fistulosa</i> )	37	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Columbine ( <i>Aquilegia canadensis</i> )	37	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Common false Solomon's seal ( <i>Smilacina racemosa</i> )	33	●	UNK	Perennial	Present	insects	Early spring insect	4
Wood anemone ( <i>Anemone quinquefolia</i> )	33	●	UNK	Perennial	Present	insects	Early spring insect	4
Early meadow-rue ( <i>Thalictrum dioicum</i> )	33	●	SI	Perennial	Present	wind	Generalist	0
One-sided pyrola ( <i>Pyrola secunda</i> )	30	●	UNK	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	4
Maryland black snakeroot ( <i>Sanicula marilandica</i> )	30	●	UNK	Perennial	Absent	insects	Generalist	4
Clayton's sweet cicely ( <i>Osmorhiza claytonii</i> )	30	●	D	Perennial	Absent	insects	Generalist	5
Starflower ( <i>Trientalis borealis</i> )	27	●	SI/sc	Perennial	Present	insects	Generalist	3
Pointed-leaved tick trefoil ( <i>Desmodium glutinosum</i> )	23	●	UNK	Perennial	Absent	insects	Somewhat specific insect	5
<b>Grasses and Sedges</b>								
Pennsylvania sedge ( <i>Carex pensylvanica</i> )	83	●●●	SC	Perennial	Present	wind	Generalist	0
Mountain rice grass ( <i>Oryzopsis asperifolia</i> )	47	●●	UNK	Perennial	Absent	wind	Generalist	0
False melic grass ( <i>Schizachne purpurascens</i> )	27	●	UNK	Perennial	Absent	wind	Generalist	0
Fringed brome ( <i>Bromus ciliatus</i> )	20	●	SC	Perennial	Absent	wind	Generalist	0
Big bluestem ( <i>Andropogon gerardii</i> )	20	●●●	SI	Perennial	Present	wind	Generalist	0
Little bluestem ( <i>Schizachyrium scoparium</i> )	17	●●	UNK	Perennial	Present	wind	Generalist	0
<b>Climbing Plants</b>								
Virginia creeper ( <i>Parthenocissus</i> spp.)	37	●	SC	Perennial	Present	insects	Generalist	2
Greenbrier ( <i>Smilax tamnoides</i> )	20	●	D	Perennial	Present	insects	Somewhat specific insect	5
Wild honeysuckle ( <i>Lonicera dioica</i> )	13	●●●	SC	Perennial	Weakly	insects	Somewhat specific insect	3

Low Shrubs								
Lowbush blueberry ( <i>Vaccinium angustifolium</i> )	93	••	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative	3
Tall blackberries ( <i>Rubus allegheniensis</i> and similar <i>Rubus</i> spp.)	73	•••	Varies	Perennial	Present	insects	Generalist	Varies
Wintergreen ( <i>Gaultheria procumbens</i> )	47	•	SC	Perennial	Present	insects	Somewhat specific insect	3
Red raspberry ( <i>Rubus idaeus</i> )	20	•••	SC	Perennial	Present	insects	Generalist	2
Sweet fern ( <i>Comptonia peregrina</i> )	13	•	UNK	Perennial	Present	wind	Generalist	0
Shrubs								
Bush honeysuckle ( <i>Diervilla lonicera</i> )	80	•	SC	Perennial	Present	insects	Somewhat specific insect	3
American hazelnut ( <i>Corylus americana</i> )	80	••••	Di	Perennial	Present	wind	Generalist	0
Juneberry (shrub) ( <i>Amelanchier</i> spp.)	70	•	Varies	Perennial	Present	insects	Early spring insect	Varies
Gray dogwood ( <i>Cornus racemosa</i> )	67	•	UNK	Perennial	Present	insects	Generalist	3
Chokecherry ( <i>Prunus virginiana</i> )	57	•	SI	Perennial	Present	insects	Early spring insect	5
Downy arrowwood ( <i>Viburnum rafinesquianum</i> )	53	•	UNK	Perennial	Present	insects	Generalist	3
Prickly or Smooth wild rose ( <i>Rosa acicularis</i> or <i>R. blanda</i> )	53	•	SC	Perennial	Present	insects	Generalist	2
Poison ivy ( <i>Toxicodendron rydbergii</i> )	50	•	D	Perennial	Present	insects	Generalist	4
Snowberry or Wolfberry ( <i>Symphoricarpos albus</i> or <i>S. occidentalis</i> )	43	•	SC	Perennial	Present	insects	Generalist	2
Winterberry ( <i>Ilex verticillata</i> )	33	•	PD	Perennial	Present	insects	Generalist	4
Prairie willow ( <i>Salix humilis</i> )	30	•	D	Perennial	Present	insects	Early spring insect	5
Beaked hazelnut ( <i>Corylus cornuta</i> )	27	•••	Di	Perennial	Present	wind	Generalist	0
Hawthorn ( <i>Crataegus</i> spp.)	23	•	Varies	Perennial	Absent	insects	Early spring insect	Varies
Tree Canopy								
Northern pin oak	63	••••	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	47	•••	D	Perennial	Present	wind	Generalist	0
Paper birch	33	•••	Di	Perennial	Present	wind	Generalist	0
Jack pine	30	••••	UNK	Perennial	Absent	wind	Generalist	0
Big-toothed aspen	27	•••	D	Perennial	Present	wind	Generalist	0
Bur oak	27	••	SI	Perennial	Present	wind	Generalist	0
Northern red oak	17	•••	SI	Perennial	Present	wind	Generalist	0
Red maple	17	••	D	Perennial	Absent	insects	Early spring insect	6
Ironwood	-	-	UNK	Perennial	Present	wind	Generalist	0
Black cherry	-	-	SI	Perennial	Present	insects	Early spring insect	5
Green ash	-	-	D	Perennial	UNK	wind	Generalist	0
Tree Subcanopy								
Northern pin oak	47	••	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	50	•••	D	Perennial	Present	wind	Generalist	0
Paper birch	30	•	Di	Perennial	Present	wind	Generalist	0
Jack pine	-	-	UNK	Perennial	Absent	wind	Generalist	0
Big-toothed aspen	33	••	D	Perennial	Present	wind	Generalist	0
Bur oak	50	••	SI	Perennial	Present	wind	Generalist	0
Northern red oak	23	•••	SI	Perennial	Present	wind	Generalist	0

Red maple	53	••	D	Perennial	Absent	insects	Early spring insect	6
Ironwood	40	•••	UNK	Perennial	Present	wind	Generalist	0
Black cherry	23	•	SI	Perennial	Present	insects	Early spring insect	5
Green ash	13	•	D	Perennial	UNK	wind	Generalist	0
<b><i>Tree Shrub Layer</i></b>								
Northern pin oak	57	•	SI	Perennial	Present	wind	Generalist	0
Quaking aspen	43	•	D	Perennial	Present	wind	Generalist	0
Paper birch	10	•	Di	Perennial	Present	wind	Generalist	0
Jack pine	-	-	UNK	Perennial	Absent	wind	Generalist	0
Big-toothed aspen	20	•	D	Perennial	Present	wind	Generalist	0
Bur oak	60	•	SI	Perennial	Present	wind	Generalist	0
Northern red oak	20	•	SI	Perennial	Present	wind	Generalist	0
Red maple	73	•	D	Perennial	Absent	insects	Early spring insect	6
Ironwood	33	••	UNK	Perennial	Present	wind	Generalist	0
Black cherry	40	•	SI	Perennial	Present	insects	Early spring insect	5
Green ash	27	•	D	Perennial	UNK	wind	Generalist	0