

FDs37 Southern Dry-Mesic Oak (Maple) Woodland Pollinator Resources

Dry-mesic hardwood forests on undulating sand flats, hummocky moraines, and river bluffs. Present mostly on fine sand or sand-gravel soils. Often on south- or west-facing slopes but common also on flat to undulating sandy lake plains. Historically, fires were common in this community, and many stands are on sites occupied by brushlands 100–150 years ago.

Examples of insect pollinators (and their associated host plants in parentheses) that use FDs37 include:

Bees:

Andrena uvulariae (*Uvularia*)

Andrena distans (*Geranium maculatum*)

Andrena fragilis (*Cornus* [*Swida*])

Andrena platyparia (*Cornus* [*Swida*])

Butterflies:

Satyrium titus (*Prunus*)

Polygonia progne (*Ribes*)

Erynnis juvenalis (*Quercus*)

Moths:

Macrosaccus morrisella (*Amphicarpaea bracteata*)

Brenthia pavonacella (*Desmodium glutinosum*)

Phyllocnistis vitifoliella (*Vitis riparia*)



Andrena distans uses *Geranium maculatum* (wild geranium) as a host plant. Photo: Heather Holm

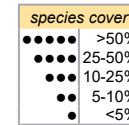


Erynnis juvenalis (Juvenal's duskywing) uses *Quercus* (oak) species as a host plant. Photo: Kyle Johnson

FDs37 Southern Dry-Mesic Oak (Maple) Forest

Pollinator Resources Table

FDs37 Class Factsheet. Based on 45 plots. November, 2024.



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Clayton's sweet cicely (<i>Osmorhiza claytonii</i>)	78	●●	D	Perennial	Absent	insects	Generalist	5
Pointed-leaved tick trefoil (<i>Desmodium glutinosum</i>)	78	●●	UNK	Perennial	Absent	insects	Somewhat specific insect	5
Hog peanut (<i>Amphicarpaea bracteata</i>)	76	●●	CH and CL flowers	Annual	Present	insects	Somewhat specific insect	6
Canada mayflower (<i>Maianthemum canadense</i>)	73	●	SI	Perennial	Present	insects	Early spring insect	5
Wild geranium (<i>Geranium maculatum</i>)	69	●●	SC	Perennial	Present	insects	Early spring insect	3
Common enchanter's nightshade (<i>Circaea lutetiana</i>)	60	●	SC	Perennial	Present	insects	Generalist	2
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	60	●	D	Perennial	Present	insects	Generalist	4
Lopseed (<i>Phryma leptostachya</i>)	60	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Common false Solomon's seal (<i>Smilacina racemosa</i>)	60	●	UNK	Perennial	Present	insects	Early spring insect	4
Pale bellwort (<i>Uvularia sessilifolia</i>)	60	●●	SI	Perennial	Present	insects	Early spring insect	5
Lady fern (<i>Athyrium filix-femina</i>)	51	●	SC	Perennial	Present	wind, water	Generalist	0
Bracken (<i>Pteridium aquilinum</i>)	51	●●	SC	Perennial	Present	wind, water	Generalist	0
Sweet-scented bedstraw (<i>Galium triflorum</i>)	51	●	UNK	Perennial	Present	insects	Generalist	3
Large-leaved aster (<i>Aster macrophyllus</i>)	49	●●	A	Perennial	Present	insects	Generalist	2
Columbine (<i>Aquilegia canadensis</i>)	40	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Northern bedstraw (<i>Galium boreale</i>)	40	●	SI	Perennial	Present	insects	Generalist	4
Wood anemone (<i>Anemone quinquefolia</i>)	40	●	UNK	Perennial	Present	insects	Early spring insect	4
Spreading dogbane (<i>Apocynum androsaemifolium</i>)	38	●	SI	Perennial	Present	insects	Generalist	4
Maryland black snakeroot (<i>Sanicula marilandica</i>)	36	●	UNK	Perennial	Absent	insects	Generalist	4
Early meadow-rue (<i>Thalictrum dioicum</i>)	31	●	SI	Perennial	Present	wind	Generalist	0
Giant Solomon's seal (<i>Polygonatum biflorum</i>)	27	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Starry false Solomon's seal (<i>Smilacina stellata</i>)	22	●	UNK	Perennial	Present	insects	Early spring insect	4
Starflower (<i>Trientalis borealis</i>)	20	●	SI/sc	Perennial	Present	insects	Generalist	3
Interrupted fern (<i>Osmunda claytoniana</i>)	20	●●	SC	Perennial	Present	wind, water	Generalist	0
Large-flowered bellwort (<i>Uvularia grandiflora</i>)	20	●●	SI	Perennial	Present	insects	Early spring insect	5
Elliptic shinleaf (<i>Pyrola elliptica</i>)	20	●	UNK	Perennial	Present	insects	Buzz pollination	5
Tail-leaved aster (<i>Aster sagittifolius</i>)	18	●	UNK	Perennial	Present	insects	Generalist	3
Grasses and Sedges								
Pennsylvania sedge (<i>Carex pennsylvanica</i>)	84	●●●	SC	Perennial	Present	wind	Generalist	0
Mountain rice grass (<i>Oryzopsis asperifolia</i>)	40	●	UNK	Perennial	Absent	wind	Generalist	0
Nodding fescue (<i>Festuca subverticillata</i>)	11	●	UNK	Perennial	Absent	wind	Generalist	0
Bottlebrush grass (<i>Elymus hystrix</i>)	11	●	UNK	Perennial	Absent	wind	Generalist	0
Climbing Plants								
Virginia creeper (<i>Parthenocissus</i> spp.)	91	●●	SC	Perennial	Present	insects	Generalist	2
Wild grape (<i>Vitis riparia</i>)	62	●	D	Perennial	Present	insects	Generalist	4
Low Shrubs								
Red raspberry (<i>Rubus idaeus</i>)	64	●	SC	Perennial	Present	insects	Generalist	2
Tall blackberries (<i>Rubus allegheniensis</i> and similar <i>Rubus</i> spp.)	47	●	Varies	Perennial	Present	insects	Generalist	Varies

Shrubs								
Chokecherry (<i>Prunus virginiana</i>)	82	••	SI	Perennial	Present	insects	Early spring insect	5
American hazelnut (<i>Corylus americana</i>)	80	•••	Di	Perennial	Present	wind	Generalist	0
Gray dogwood (<i>Cornus racemosa</i>)	67	•••	UNK	Perennial	Present	insects	Generalist	3
Prickly ash (<i>Zanthoxylum americanum</i>)	67	••	D	Perennial	Present	insects	Generalist	4
Poison ivy (<i>Toxicodendron rydbergii</i>)	64	•	D	Perennial	Present	insects	Generalist	4
Prickly gooseberry (<i>Ribes cynosbati</i>)	49	•	SI	Perennial	Present	insects	Generalist	4
Downy arrowwood (<i>Viburnum rafinesquianum</i>)	49	••	UNK	Perennial	Present	insects	Generalist	3
Juneberries (<i>Amelanchier</i> spp.)	47	•	Varies	Perennial	Present	insects	Early spring insect	Varies
Nannyberry (<i>Viburnum lentago</i>)	42	•	SI	Perennial	Present	insects	Generalist	4
Bush honeysuckle (<i>Diervilla lonicera</i>)	33	•	SC	Perennial	Present	insects	Somewhat specific insect	3
Missouri gooseberry (<i>Ribes missouriense</i>)	24	•	SI	Perennial	Present	insects	Generalist	4
Beaked hazelnut (<i>Corylus cornuta</i>)	22	•••	Di	Perennial	Present	wind	Generalist	0
Snowberry or Wolfberry (<i>Symphoricarpos albus</i> or <i>S. occidentalis</i>)	20	•	SC	Perennial	Present	insects	Generalist	2
Red-berried elder (<i>Sambucus racemosa</i>)	20	•	UNK	Perennial	Present	insects	Generalist	3
Round-leaved dogwood (<i>Cornus rugosa</i>)	16	•	UNK	Perennial	Present	insects	Generalist	3
Tree Canopy								
Bur oak	67	•••	SI	Perennial	Present	wind	Generalist	0
Northern pin oak	60	••••	SI	Perennial	Present	wind	Generalist	0
Northern red oak	33	••••	SI	Perennial	Present	wind	Generalist	0
White oak	29	•••	SI	Perennial	Present	wind	Generalist	0
Black cherry	29	•	SI	Perennial	Present	insects	Early spring insect	5
Quaking aspen	27	••	D	Perennial	Present	wind	Generalist	0
Red maple	27	••	D	Perennial	Absent	insects	Early spring insect	6
Paper birch	20	••	Di	Perennial	Present	wind	Generalist	0
Big-toothed aspen	11	•••	D	Perennial	Present	wind	Generalist	0
Green ash	9	•••	D	Perennial	UNK	wind	Generalist	0
American elm	-	-	Di	Perennial	Absent	wind	Generalist	0
Ironwood	-	-	UNK	Perennial	Present	wind	Generalist	0
Tree Subcanopy								
Bur oak	58	••	SI	Perennial	Present	wind	Generalist	0
Northern pin oak	33	•••	SI	Perennial	Present	wind	Generalist	0
Northern red oak	13	•••	SI	Perennial	Present	wind	Generalist	0
White oak	9	••	SI	Perennial	Present	wind	Generalist	0
Black cherry	58	••	SI	Perennial	Present	insects	Early spring insect	5
Quaking aspen	18	••	D	Perennial	Present	wind	Generalist	0
Red maple	56	•••	D	Perennial	Absent	insects	Early spring insect	6
Paper birch	-	-	Di	Perennial	Present	wind	Generalist	0
Big-toothed aspen	-	-	D	Perennial	Present	wind	Generalist	0
Green ash	31	••	D	Perennial	UNK	wind	Generalist	0

American elm	31	••	Di	Perennial	Absent	wind	Generalist	0
Ironwood	29	•••	UNK	Perennial	Present	wind	Generalist	0
<i>Tree Shrub Layer</i>								
Bur oak	33	•	SI	Perennial	Present	wind	Generalist	0
Northern pin oak	38	•	SI	Perennial	Present	wind	Generalist	0
Northern red oak	22	•	SI	Perennial	Present	wind	Generalist	0
White oak	18	•	SI	Perennial	Present	wind	Generalist	0
Black cherry	69	•	SI	Perennial	Present	insects	Early spring insect	5
Quaking aspen	18	•	D	Perennial	Present	wind	Generalist	0
Red maple	53	•	D	Perennial	Absent	insects	Early spring insect	6
Paper birch	-	-	Di	Perennial	Present	wind	Generalist	0
Big-toothed aspen	-	-	D	Perennial	Present	wind	Generalist	0
Green ash	36	•	D	Perennial	UNK	wind	Generalist	0
American elm	33	•	Di	Perennial	Absent	wind	Generalist	0
Ironwood	18	••	UNK	Perennial	Present	wind	Generalist	0