

UPs14 Southern Dry Savanna Pollinator Resources

Sparingly treed communities with grass-dominated herbaceous ground layers on nearly level to steeply sloping sites with droughty soils. Moderate growing-season moisture deficits occur during most years, and severe moisture deficits are frequent, especially during periodic regional droughts. Trees are open grown, typically small and gnarled.

Examples of insect pollinators (and their associated host plants in parentheses) that use UPs14 include:

Bees:

Andrena simplex (*Solidago*)

Perdita halictoides (*Physalis*)

Colletes nudus (*Rhus*)

Butterflies:

Satyrium edwardsii (*Quercus*)

Satyrium titus (*Prunus*)

Anatrytone logan (*Schizachyrium scoparium*)

Moths:

Cameraria hamadryadella (*Quercus macrocarpa*)

Pygarctia spraguei (*Euphorbia corollate*)

Pyrausta signatalis (*Monarda punctata*)



Anatrytone logan (Delaware skipper) uses *Schizachyrium scoparium* (little bluestem) as a host plant. Photo: Bob Dunlap

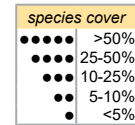


Colletes nudus (sumac cellophane bee) uses *Rhus* (sumac) species as a host plant. Photo: Nick Dorian

UPs14 Southern Dry Savanna

Pollinator Resources Table

UPs14 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
Western ragweed (<i>Ambrosia psilostachya</i>)	80	●●	UNK	Perennial	Present	wind	Generalist	0
Virginia ground cherry (<i>Physalis virginiana</i>)	73	●	SI	Perennial	Present	insects	Buzz pollination	6
Hairy puccoon (<i>Lithospermum caroliniense</i>)	70	●	H	Perennial	Absent	insects	Somewhat specific insect	6
Gray goldenrod (<i>Solidago nemoralis</i>)	67	●	SI	Perennial	Present	insects	Generalist	4
Hoary frostweed (<i>Helianthemum bicknellii</i>)	67	●	CH and CL	Perennial	Present	insects	Generalist	3
Horseweed (<i>Conyza canadensis</i>)	60	●	SC	Annual	Absent	insects	Generalist	4
White sage (<i>Artemisia ludoviciana</i>)	53	●	SC	Perennial	Present	wind	Generalist	0
Bearded birdfoot violet (<i>Viola palmata</i>)	53	●	CL flowers	Perennial	Present	insects	Early spring insect	4
Starry false Solomon's seal (<i>Smilacina stellata</i>)	47	●	UNK	Perennial	Present	insects	Early spring insect	4
Purple prairie clover (<i>Dalea purpurea</i>)	47	●	SC	Perennial	Present	insects	Generalist	2
Common milkweed (<i>Asclepias syriaca</i>)	40	●	SI/sc	Perennial	Present	insects	Somewhat specific insect	4
Long-headed thimbleweed (<i>Anemone cylindrica</i>)	40	●	SC	Perennial	Present	insects	Generalist	2
Hoary puccoon (<i>Lithospermum canescens</i>)	40	●	H	Perennial	Absent	insects	Somewhat specific insect	6
Prairie pinweed (<i>Lechea stricta</i>)	33	●	CH	Perennial	Absent	insects	Generalist	5
Round-headed bush clover (<i>Lespedeza capitata</i>)	33	●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Skyblue aster (<i>Aster oolentangiensis</i>)	33	●	SI	Perennial	Present	insects	Generalist	4
Rough blazing star (<i>Liatriis aspera</i>)	33	●	SI	Perennial	Present	insects	Generalist	4
Rock spikemoss (<i>Selaginella rupestris</i>)	30	●	SC	Perennial	Present	wind, water	Generalist	0
Missouri goldenrod (<i>Solidago missouriensis</i>)	30	●	SI	Perennial	Present	insects	Generalist	4
Bird's foot coreopsis (<i>Coreopsis palmata</i>)	30	●	SI	Perennial	Present	insects	Generalist	4
Harebell (<i>Campanula rotundifolia</i>)	30	●	± SI	Perennial	Present	insects	Generalist	4
Hairy golden aster (<i>Chrysopsis villosa</i>)	30	●	UNK	Perennial	Weakly	insects	Generalist	3
Bastard toad-flax (<i>Comandra umbellata</i>)	30	●	SC	Perennial	Present	insects	Early spring insect	3
Heath aster (<i>Aster ericoides</i>)	27	●	SI	Perennial	Present	insects	Generalist	4
Showy goldenrod (<i>Solidago speciosa</i>)	27	●	SI	Perennial	Present	insects	Generalist	4
Flowering spurge (<i>Euphorbia corollata</i>)	23	●	SI	Perennial	Present	insects	Generalist	4
Mock pennyroyal (<i>Hedeoma hispida</i>)	23	●	SC	Annual	Absent	insects	Somewhat specific insect	5
Large-flowered beard tongue (<i>Penstemon grandiflorus</i>)	23	●	UNK	Perennial	Present	insects	Generalist	3
Erect, Smooth, or Illinois carrion-flower (<i>Smilax</i> spp.)*	23	●	D	Perennial	Present	insects	Somewhat specific insect	5
Tall cinquefoil (<i>Potentilla arguta</i>)	23	●	A	Perennial	Present	insects	Generalist	2
Stiff sunflower (<i>Helianthus pauciflorus</i>)	20	●●	SI	Perennial	Present	insects	Generalist	4
Horsemint (<i>Monarda punctata</i>)	20	●●	SC	Perennial	Present	insects	Somewhat specific insect	3
Tall wormwood or Tarragon (<i>Artemisia</i> spp.)**	20	●	Varies	Perennial	Varies	wind	Generalist	0
Silky prairie clover (<i>Dalea villosa</i>)	17	●	UNK	Perennial	Present	insects	Generalist	3
Grasses and Sedges								
Junegrass (<i>Koeleria pyramidata</i>)	80	●	SI	Perennial	Absent	wind	Generalist	0
Porcupine grass (<i>Stipa spartea</i>)	73	●●●	UNK	Perennial	Absent	wind	Generalist	0

Little bluestem (<i>Schizachyrium scoparium</i>)	70	●●●	UNK	Perennial	Present	wind	Generalist	0
Big bluestem (<i>Andropogon gerardii</i>)	67	●●	SI	Perennial	Present	wind	Generalist	0
Hay sedge (<i>Carex foenea</i>)	53	●●	UNK	Perennial	Present	wind	Generalist	0
Purple lovegrass (<i>Eragrostis spectabilis</i>)	53	●	UNK	Perennial	Present	wind	Generalist	0
Indian grass (<i>Sorghastrum nutans</i>)	40	●●●	SI	Perennial	Present	wind	Generalist	0
Muhlenberg's sedge (<i>Carex muhlenbergia</i>)	37	●●	UNK	Perennial	Present	wind	Generalist	0
Pennsylvania sedge (<i>Carex pensylvanica</i>)	37	●●	SC	Perennial	Present	wind	Generalist	0
Sand reed-grass (<i>Calamovilfa longifolia</i>)	37	●	UNK	Perennial	Present	wind	Generalist	0
Switchgrass (<i>Panicum virgatum</i>)	37	●	SC	Perennial	Present	wind	Generalist	0
Prairie dropseed (<i>Sporobolus heterolepis</i>)	37	●●	SC	Perennial	Absent	wind	Generalist	0
Long-leaved panic grass (<i>Panicum perlongum</i>)	37	●	UNK	Perennial	Absent	wind	Generalist	0
Scribner's panic grass (<i>Panicum oligosanthes</i>)	30	●●	UNK	Perennial	Absent	wind	Generalist	0
Hairy grama (<i>Bouteloua hirsuta</i>)	30	●	A	Perennial	Present	wind	Generalist	0
Side-oats grama (<i>Bouteloua curtipendula</i>)	23	●●●	A	Perennial	Present	wind	Generalist	0
Fall witch grass (<i>Leptoloma cognatum</i>)	23	●	UNK	Perennial	Absent	wind	Generalist	0
Climbing Plants								
Virginia creeper (<i>Parthenocissus vitacea</i> or <i>P. quinquefolia</i>)	47	●	SC	Perennial	Present	insects	Generalist	2
Low-Shrubs								
Leadplant (<i>Amorpha canescens</i>)	53	●	SC	Perennial	Present	insects	Generalist	2
Prairie rose (<i>Rosa arkansana</i>)	43	●	SC	Perennial	Present	insects	Generalist	2
Shrubs								
Chokecherry (<i>Prunus virginiana</i>)	50	●	SI	Perennial	Present	insects	Early spring insect	5
American hazelnut (<i>Corylus americana</i>)	43	●	Di	Perennial	Present	wind	Generalist	0
Smooth sumac (<i>Rhus glabra</i>)	40	●●	PD	Perennial	Present	insects	Generalist	4
Low juneberry or Saskatoon (<i>Amelanchier humilis</i> or <i>A. alnifolia</i>)	37	●	UNK	Perennial	Present	insects	Early spring insect	4
Canopy Trees								
Bur oak	43	●●●	SI	Perennial	Present	wind	Generalist	0
Northern pin oak	27	●●●	SI	Perennial	Present	wind	Generalist	0
Black oak	23	●●●	SI	Perennial	Present	wind	Generalist	0
Jack Pine	17	●●●	UNK	Perennial	Absent	wind	Generalist	0
Shrub Layer								
Bur oak	67	●	SI	Perennial	Present	wind	Generalist	0
Northern pin oak	37	●	SI	Perennial	Present	wind	Generalist	0
Black oak	23	●●	SI	Perennial	Present	wind	Generalist	0
Jack Pine	17	●	UNK	Perennial	Absent	wind	Generalist	0

*Erect, Smooth, or Illinois carrion-flower (*Smilax ecirrata*, *S. herbacea*, or *S. illinoensis*); ** Tall wormwood or Tarragon (*Artemisia dracunculus* or *A. campestris*)