

Productive sources of native nectar & pollen in grassland/savanna settings (WI)

		Pollinator Groups ¹					Speed/ease of establishment ⁴	April	May	Blooming Period					Habitat ⁵							
		Monarch ²	Butterflies ³	Moths	Bumble bee	Bees & wasps				June	July	August	September	Oct.	SM	W	WM	M	DM	D	SN	V
Agalinis aspera	Rough false foxglove						1	2			x	x x x x x				x x	x x	x x				
Agastache foeniculum*	Blue giant hyssop	1	1 ?		1	1	1				x	x x x x x				x x	x x	x x				x x
Agastache nepetoides*	Yellow giant hyssop	1	1 ?		1	1	1				x	x x x x				x x	x x	x x				x x
Agastache scrophulariaefolia	Purple giant hyssop	1	1 ?		1	1	1				x	x x x x x				x x	x x	x x				x x
Allium cernuum*	Nodding wild onion	2	2 ?		2	1	2				x	x x x x x				x x	x x	x x				x x
Amorpha canescens	Leadplant	2	2	1	1	3				x	x x x x x				x x	x x	x x				x x	
Anemone canadensis	Meadow anemone					1	2			x	x x x x x				x x	x x	x x				x x	
Anemone cylindrica	Prairie thimbleweed					1	2			x	x x x x x				x x	x x	x x				x x	
Anemone patens	Pasque flower					1	3		x x x	x	x x x x x				x x	x x	x x				x x	
Anemone quinquefolia	Wood anemone					1	2		x x x	x	x x x x x				x x	x x	x x				x x	
Anemone virginiana	Woodland thimbleweed					1	1			x	x x x x x				x x	x x	x x				x x	
Angelica atropurpurea	Great angelica					1	1			x	x x x x x				x x	x x	x x				x x	
Antennaria ssp	Pussytoes					1	3		x x x x		x x x x x				x x	x x	x x				x x	
Apolos americana	Groundnut					1	2			x	x x x x x				x x	x x	x x				x x	
Apocynum ssp	Dogbane, Indian hemp	1	1 ?		2	2				x	x x x x x				x x	x x	x x				x x	
Aquilegia canadensis	Wild columbine			1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Arnoglossum atriplicifolium*	Pale Indian plantain			1	1	1				x	x x x x x				x x	x x	x x				x x	
Asclepias amplexicaulis*	Prairie Indian plantain	3 ?			1	2				x	x x x x x				x x	x x	x x				x x	
Asclepias exaltata	Sand milkweed	2	2 ?	2	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Asclepias incarnata	Woodland milkweed	2	1 ?	2	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Asclepias syriaca	Swamp milkweed	1	1 ?	1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Asclepias tuberosa	Common milkweed	1	1 ?	2	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Asclepias verticillata	Butterfly milkweed	1	1 ?	1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Aster spp	Whorled milkweed	1	1 ?	2	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Astragalus canadensis	Short green milkweed	2 ?	1	1	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Aureolaria grandiflora*	Aster species	2	2 ?	2	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Aureolaria pedicularia	Canadian milkvetch	2 ?	1	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Baptisia alba	Yellow false foxglove			1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Baptisia bracteata	Clammy false foxglove			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Blephilia ciliata*	White wild indigo	1	1 ?	1	1	4			x x x x		x x x x x				x x	x x	x x				x x	
Brickellia eupatorioides	Ohio horse-mint	2	1 ?	1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Camassia esculenta*	False boneset	1	1 ?	2	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Camassia scilloides*	Wild hyacinth	2 ?	2	1	2				x x x x		x x x x x				x x	x x	x x				x x	
Campanula americana	Tall bellflower			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Campanula aparinoides	Marsh bellflower			1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Campanula rotundifolia	Harebell			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Ceanothus americanus	New Jersey tea	2 ?	1	1	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Ceanothus herbaceus	Inland New Jersey tea	2 ?	1	1	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Chelone glabra	Turtlehead	3	1	1	2				x x x x		x x x x x				x x	x x	x x				x x	
Cicuta maculata	Water-hemlock			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Circium altissimum	Woodland thistle	1	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Circium discolor	Field thistle	1	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Circium miumtum	Swamp thistle	1	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Coreopsis palmata	Prairie tickseed	2	1 ?	1	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Cornus racemosa	Gray dogwood	1	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Dalea candida	White prairie clover	2 ?	1	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Dalea purpurea	Purple prairie clover	2 ?	1	1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Desmodium canadense	Showy tick-trefoil	2 ?	2	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Desmodium illinoense	Illinois tick-trefoil	2 ?	2	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Dodecatheon media*	Shootingstar	1	1	1	4				x x x x		x x x x x				x x	x x	x x				x x	
Echinacea pallida*	Pale purple coneflower	1	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Eryngium yuccifolium*	Rattlesnake master	?		1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Eupatorium altissimum	Upland boneset	1	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Eupatorium maculatum	Spotted Joe-pye-weed	1	1 ?	1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Eupatorium perfoliatum	Common boneset	1	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Eupatorium purpureum	Woodland Joe-pye-weed	1	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Eupatorium sessilifolium	Woodland boneset	2 ?	1	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Euphorbia corollata	Flowering spurge	2 ?	1	1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Fragaria virginiana	Wild strawberry	2 ?	2	1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Galium boreale	Northern bedstraw			1	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Gaura biennis	Biennial gaura	1	2	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Gentiana alba	Cream gentian			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Gentiana andrewsii	Bottle gentian			1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Gentiana puberulenta	Prairie gentian			1	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Gentianella quinquefolia	Stiff gentian			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Gentianopsis crinita	Fringed gentian			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Geranium maculatum	Wild geranium	2 ?	1	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Geum canadense	White avens			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Geum triflorum	Prairie smoke			1	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Hasteola suaveolens*	Sweet Indian plantain	1 ?	1	1	2				x x x x		x x x x x				x x	x x	x x				x x	
Helianthus grosseserratus	Sawtooth sunflower	2	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Helianthus annuus	Sneezeweed	2	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Helianthus occidentalis	Western sunflower	2	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Helianthus pauciflorus	Showy sunflower	2	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Helianthus spp	Woodland sunflowers	2	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Heliospermum helenitoides	False sunflower	2	1 ?	2	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Heuchera richardsonii	Alumroot	2	1	1	3				x x x x		x x x x x				x x	x x	x x				x x	
Hieracium kalmii	Canada hawkweed			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Hypoxis hirsuta	Yellow stargrass			1	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Iris virginica	Wild iris	2 ?	1	1	1	3			x x x x		x x x x x				x x	x x	x x				x x	
Krigia biflora	False dandelion	2 ?	2	1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Lactuca biennis	Woodland lettuce			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Lactuca canadensis	Wild lettuce			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Lathyrus ochroleucus	Cream pea-vine			1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Lathyrus palustris	Marsh pea			1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Lathyrus venosus	Veiny pea			1	1	1	3		x x x x		x x x x x				x x	x x	x x				x x	
Lespedeza capitata	Round-headed bush-clover	2 ?	2	1	1	1			x x x x		x x x x x				x x	x x	x x				x x	
Liatris aspera	Rough blazingstar	1	1 ?	1	1	2			x x x x		x x x x x				x x	x x	x x				x x	
Liatris cylindracea	Dwarf blazingstar	1	1 ?	1	1	1			x x x x		x x x x x				x x	x x	x x				x x</	

Oxalis violacea	Violet wood-sorrel	2 ?	1	1	2	x x x		x x x x x x x x	x x x x x x x x
Oxypolis rigidior*	Cowbane	2 ?	1	2			x x x x x	x x x x x	x x x x x x x x
Parthenium integrifolium*	Wild quinine		1	2		x x x	x x x x x	x x x x x x x x	x x x x x x x x
Pedicularis canadensis	Wood betony	1	1	3			x x x x x	x x x x x x x x	x x x x x x x x
Pedicularis lanceolata	Swamp loosewort	1	1	1			x x x x x x	x x x x x x x x	x x x x x x x x
Penstemon grandiflorus*	Large-flowered beard-tongue		1	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Phlox pilosa	Prairie phlox	1	1	1	2	x x x	x x x	x x x x x x x x	x x x x x x x x
Physalis ssp	Ground cherry			1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Physostegia virginiana	Obedience plant	2	2 ?	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Polemonium reptans	Jacob's ladder	2 ?		1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Polygonia polygama	Sand milkwort			1	2	x x x	x x x	x x x x x x x x	x x x x x x x x
Polygonia sanguinea	Field milkwort			1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Polygala senega	Seneca snakeroot			1	2	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Polygonatum biflorum	Smooth Solomon's seal		1	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Potentilla arguta	Tall cinquefoil			1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Potentilla simplex	Common cinquefoil	2 ?	2	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Prenanthes alba	Lion's foot			1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Prenanthes racemosa*	Smooth white lettuce			1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Prunus americana	American plum	2	1 ?	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Prunus pumila	Sand cherry			1	1	x x	x x	x x x x x x x x	x x x x x x x x
Prunus virginiana	Chokecherry	2	1 ?	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Pycnanthemum virginianum	Mountain mint	2	1 ?	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Pyrus (Malus) ioensis	Fire crabapple			2	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Ratibida pinnata	Yellow coneflower	2	1 ?	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Ribes ssp	Gooseberries			1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Rosa ssp	Wild roses			1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Rubus ssp	Rasp- & black-berry	2 ?	1	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Rudbeckia hirta	Black-eyed Susan	2	1 ?	2	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Rudbeckia laciniata	Wild golden-glow	2	1 ?	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Rudbeckia subtomentosa*	Sweet black-eyed Susan	2	1 ?	1	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Salix ssp	Willows			2	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Scrophularia lanceolata	Early figwort			1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Scrophularia marilandica	Late figwort			1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Scutellaria galericulata	Marsh skullcap	2 ?		1	2	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Senechal (Packeria) ssp	Ragwort			2	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Senna hebecarpa*	American senna			1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Silene stellata*	Starry campion		1	1	2	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Silphium integrifolium*	Rosinweed	2	1 ?	2	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Silphium laciniatum*	Compass plant	2	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Silphium perfoliatum	Cup-plant	2	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Silphium terebinthaceum*	Prairie dock	2	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Sisyrinchium campestre	Blue-eyed grass			2	1	x x x	x x x	x x x x x x x x	x x x x x x x x
Smilacina (Maianthemum) racemosa	False Solomon's seal			1	2	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Smilacina (Maianthemum) stellata	Starry false Solomon's seal	2 ?	2	1	2	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Solidago juncea	Early goldenrod	2	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Solidago missouriensis	Missouri goldenrod	1	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Solidago nemoralis	Dyer's weed	1	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Solidago ptarmicoides	Upland white goldenrod	2	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Solidago riddelli*	Riddell's goldenrod			1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Solidago rigida	Stiff goldenrod	1	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Solidago speciosa	Showy goldenrod	1	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Solidago ulmifolia	Elm-leaved goldenrod			2	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Spiraea alba	Meadowsweet			1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Stachys palustris	Marsh hedge-nettle	2 ?	1	1	2	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Taenidia integrifolia*	Yellow pimpernel			1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Tephrosia virginiana	Goat's rue			1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Teucrium canadense	Germander	2	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Tradescantia ohiensis	Spiderwort			1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Verbena hastata	Blue vervain	2	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Verbena stricta	Hoary vervain	1	1 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Vernonia fasciculata	Ironweed	1	1	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Veronicastrum virginicum	Culver's root	2	2 ?	1	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Viola ssp	Violets	2 ?		2	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Zizia aptera	Heart-leaved golden Alexander	2 ?		2	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x
Zizia aurea	Golden Alexander	2		2	1	x x x x	x x x x	x x x x x x x x	x x x x x x x x

¹ Degree of attractiveness & use (1=highest, 2=second tier, 3=third tier).

² Known favorites of monarchs.

³ Known favorites of butterflies in general, and thus likely used by monarchs, to at least some degree.

⁴ Easiest & fastest (1) to slowest and most difficult (5) to establish.

⁵ SM=sedge meadow; W=wet prairie; WM=wet-mesic prairie; M=mesic prairie; DM=dry-mesic prairie; SN=sand prairie,barrens,sandstone; SV=savanna

* Limited native range across the prairie & savanna region of WI.

R. A. Henderson 3/15/2017

NOTE: This table is a compilation of my field experience/observations along with published and on line information sources. It is not the final word by any means, but a starting point for bringing more information together. It is very important for pollinators to have diverse array of nectar & pollen sources available throughout the growing season. Bees in particular need pollen (protein) from many species of plants in order to have a balanced diet and thus stay productive and healthy.

The intent of putting this table together is to help managers/restorationist in selecting species, by habitat type, for that purpose within the fire-dependent systems of WI.