

## HOST PLANTS AND HABITAT FOR BUTTERFLY SPECIES OF CONCERN

Sources: Panzer, R. 1995. Natural Areas Journal 15(2):101-116.

Wagner, D.L. 2005. *Caterpillars of Eastern North America*. Princeton University Press, Princeton.

These are the species of highest conservation concern in Chicago Wilderness. Species marked **RESPONSIVE** may return to sites where stewards establish host and nectar plants. Species marked **REMNANT** are remnant-dependent and should be high priority where they occur but are unlikely to return if not already present. Most butterflies share a general list of preferred nectar plants. Please see [the list on page 6](#) for details.

			HABITAT	MAJOR HOST PLANT(S)	HOST PLANT COMMON NAME	SOURCE
<b>SWALLOWTAILS</b>						
REMNANT	Giant Swallowtail	<i>Papilio cresphontes</i>	open woodland	Rutaceae family	prickly ash & citrus family trees	Wagner 2005
RESPONSIVE	Pipevine Swallowtail	<i>Battus philenor</i>	open, dry woodland		pipevine	Wagner 2005
<b>WHITES AND SULPHURS</b>						
RESPONSIVE	Checkered White	<i>Pontia protodice</i>	open fields	Brassicaceae family	crucifers, cabbage family	Wagner 2005
REMNANT	Olympia Marblewing	<i>Euchloe olympia</i>	sand savanna	<i>Arabis lyrata</i>	sand cress	Panzer 1995
<b>BLUES</b>						
REMNANT	Karner Blue	<i>Lycaeides melissa</i>	sand savanna	<i>Lupinus perennis</i>	wild lupine	
REMNANT	Silvery Blue	<i>Glaucopsyche lygdamus</i>	savanna/sand savanna	<i>Lathyrus venosus</i>	veiny pea	Panzer 1995
<b>COPPERS</b>						
RESPONSIVE	Bronze Copper	<i>Lycaena hyllus</i>		<i>Rumex</i> species	dock species	Wagner 2005
RESPONSIVE	Gray Copper	<i>Lycaena dione</i>				
RESPONSIVE	Purplish Copper <sup>1</sup>	<i>Lycaena helloides</i>	wet prairie	<i>Polygonum</i> species	knotweed species	Panzer 1995

<sup>1</sup> Management Note: Purplish Copper likes wet, recently mowed areas. Does not depend on native habitat.

			HABITAT	MAJOR HOST PLANT(S)	HOST PLANT COMMON NAME	SOURCE
	<b>SATYRS</b>					
REMNANT	Appalachian Brown	<i>Satyroides appalachia</i>		grasses & sedges	grasses & sedges	Wagner 2005
REMNANT	Eyed Brown	<i>Satyroides eurydice</i>				
RESPONSIVE	Pearly Eye	<i>Enodia anthedon</i>	mature, open woodlands	grasses	grasses	Wagner 2005
RESPONSIVE	Wood Nymph	<i>Cercyonis pegala</i>	open fields, open woodlands	grasses	grasses	Wagner 2005
	<b>HAIRSTREAKS</b>					
REMNANT	Acadian Hairstreak	<i>Satyrium acadica</i>	wet prairie	<i>Salix</i> species	willow species	Panzer 1995
RESPONSIVE	Banded Hairstreak	<i>Satyrium calanus</i>	woodland edges & clearings	<i>Carya, Quercus, &amp; Juglans</i>	hickory, oak, & walnut	Wagner 2005
RESPONSIVE	Coral Hairstreak	<i>Harkenclenus titus</i>	xeric/mesic prairie	<i>Prunus</i> species	cherry species	Panzer 1995
REMNANT	Edwards' Hairstreak	<i>Satyrium edwardsii</i>	savanna	<i>Quercus</i> species	oak species	Panzer 1995
REMNANT	Frosted Elfin	<i>Callophrys irus</i>	sand savanna	<i>Lupinus</i> species	lupine species	Panzer 1995
REMNANT	Henry's Elfin	<i>Callophrys henrici</i>	woodlands	<i>Vaccinium, Cercis canadensis, others</i>	blueberry, redbud, others	Wagner 2005
RESPONSIVE	Hickory Hairstreak	<i>Satyrium caryaevorum</i>	open woodlands	<i>Carya cordiformis</i>	bitternut hickory	Wagner 2005
REMNANT	Hoary Elfin	<i>Callophrys polios</i>	sand prairie	<i>Arctostaphylus</i>	bearberry	Panzer 1995
RESPONSIVE	Striped Hairstreak	<i>Satyrium liparops</i>	open woodlands, wet meadows	<i>Rosaceae &amp; Ericaceae</i> families	rose & heath families	Wagner 2005

			HABITAT	MAJOR HOST PLANT(S)	HOST PLANT COMMON NAME	SOURCE
<b>NYMPHALIDS</b>						
REMNANT	Aphrodite	<i>Speyeria aphrodite</i>	mesic prairie	<i>Viola</i> species	violet species	Panzer 1995
REMNANT	Baltimore Checkerspot	<i>Euphydryas phaeton</i>	wet meadow, open floodplain	<i>Chelone glabra</i> & others	turtlehead, plantain, foxglove	Wagner 2005
RESPONSIVE	Gorgon Checkerspot	<i>Chlosyne gorgone</i>				
RESPONSIVE	Gray Comma	<i>Polygonia progne</i>	wet meadows & woodlands	<i>Ribes</i> species	currant species	Wagner 2005
RESPONSIVE	Meadow Fritillary <sup>2</sup>	<i>Boloria bellona</i>	wet prairie	<i>Viola</i> species	violet species	Panzer 1995
RESPONSIVE	Red Spotted Purple	<i>Limenitis astyanax</i>	wet meadows	<i>Populus, Quercus, &amp; Prunus</i> species	poplar, oak, & cherry species	Wagner 2005
REMNANT	Regal Fritillary	<i>Speyeria idalia</i>	xerix/mesic prairie	<i>Viola</i> species	violet species	Panzer 1995
REMNANT	Silver Bordered Fritillary	<i>Boloria selene</i>		<i>Viola</i> species	violet species	Wagner 2005
RESPONSIVE	Silvery Checkerspot	<i>Chlosyne nycteis</i>	wet prairie/savanna	<i>Helianthus</i> species	sunflower species	Panzer 1995
<b>METALMARKS</b>						
REMNANT	Swamp Metalmark	<i>Calephelis mutica</i>	wetlands	<i>Cirsium</i> species	thistle species	Wagner 2005
<b>SPREAD-WINGED SKIPPERS</b>						
REMNANT	Dreamy Duskywing	<i>Erynnis icelus</i>	prairie/sand savanna	<i>Salix</i>		Panzer 1995
RESPONSIVE	Horace's Duskywing	<i>Erynnis horatius</i>	open woodland	<i>Quercus</i> species	oak species	Wagner 2005
RESPONSIVE	Juvenal's Duskywing	<i>Erynnis juvenalis</i>	open woodland	<i>Quercus</i> species	oak species	Wagner 2005

<sup>2</sup> Management Note: Meadow Fritillary found in weedy fields which are mowed short enough and often enough for common blue violets in open setting. It is responsive to its host plant but not dependent on native habitat.

			HABITAT	MAJOR HOST PLANT(S)	HOST PLANT COMMON NAME	SOURCE
REMNANT	Mottled Duskywing	<i>Erynnis martialis</i>	prairie/savanna	<i>Ceanothus</i>	New Jersey tea	Panzer 1995
RESPONSIVE	Northern Cloudywing	<i>Thorybes pylades</i>	sand savanna	legumes	legumes	Panzer 1995
REMNANT	Sleepy Duskywing	<i>Erynnis brizo</i>	sand savanna	<i>Quercus</i> species	oak species	Panzer 1995
RESPONSIVE	Southern Cloudywing	<i>Thorybes bathyllus</i>	xeric prairie/savanna	legumes	legumes	Panzer 1995
	<b>FOLDED-WINGED SKIPPERS</b>					
RESPONSIVE	Black Dash	<i>Euphyes conspicua</i>	sedge meadow	<i>Carex</i> species	sedge species	Panzer 1995
REMNANT	Broadwing Skipper	<i>Poanes viator</i>	sedge meadow	<i>Carex</i> species	sedge species	Panzer 1995
REMNANT	Byssus Skipper	<i>Problema byssus</i>	mesic/wet prairie	<i>Andropogon</i> species	bluestem grasses	Panzer 1995
REMNANT	Cobweb Skipper	<i>Hesperia metea</i>	sand prairie	native grasses	native grasses	Panzer 1995
RESPONSIVE	Crossline Skipper	<i>Polites origenes</i>	open fields & wet meadows	grasses	grasses	Wagner 2005
RESPONSIVE	Delaware Skipper	<i>Anatrytone logan</i>		<i>Andropogon</i> species & other grasses	bluestem & other grasses	Wagner 2005
REMNANT	Dion Skipper	<i>Euphyes dion</i>	sedge meadow	<i>Carex</i> species	sedge species	Panzer 1995
REMNANT	Dusted Skipper	<i>Atrytonopsis hianna</i>	sand prairie	prairie grasses	prairie grasses	Panzer 1995
RESPONSIVE	Hobomok Skipper	<i>Poanes hobomok</i>	open woodland	<i>Panicum, Eragrostis</i> species	panic grass, love grass	Wagner 2005
REMNANT	Indian Skipper	<i>Hesperia sassacus</i>	sand savanna	<i>Andropogon</i> species	bluestem grasses	Panzer 1995

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REMNANT	Leonard's Skipper	<i>Hesperia leonardus</i>	xeric prairie	native grasses	native grasses	Panzer 1995
REMNANT	Long Dash	<i>Polites mystic</i>	sedge meadow	<i>Carex</i> species	sedge species	Panzer 1995
REMNANT	Mulberry Wing	<i>Poanes massasoit</i>	sedge meadow	<i>Carex</i> species	sedge species	Panzer 1995
REMNANT	Ottoe Skipper	<i>Hesperia ottoe</i>	xeric prairie	<i>Andropogon</i> species	bluestem grasses	Panzer 1995
REMNANT	Two-spotted Skipper	<i>Euphyes bimacula</i>	mesic/wet prairie	<i>Carex</i> species	sedge species	Panzer 1995
RESPONSIVE	Zabulon Skipper	<i>Poanes zabulon</i>	open woodland	<i>Panicum, Eragrostis</i> species	panic grass, love grass	Wagner 2005

# PLANT SPECIES PREFERRED AS NECTAR PLANTS BY MOST BUTTERFLIES

Advisory Board: Ron Panzer, Doug Taron, John Drake, and Tom Peterson

NECTAR SPECIES	NECTAR SPECIES COMMON NAME
<i>Arabis lyrata</i>	Sand cress
<i>Asclepias incarnata</i>	Swamp milkweed
<i>Asclepias purpurascens</i>	Purple milkweed
<i>Asclepias syriaca</i>	Common milkweed
<i>Asclepias tuberosa</i>	Butterfly milkweed
<i>Ceanothus americanus</i>	New Jersey tea
<i>Cephalanthus occidentalis</i>	Buttonbush
<i>Cirsium muticum</i>	Swamp thistle
<i>Coreopsis lanceolata</i>	Sand coreopsis
<i>Cornus stolonifera baileyi</i>	Dune dogwood
<i>Dalea candida</i>	White prairie-clover
<i>Dalea purpurea</i>	Purple prairie-clover
<i>Desmanthus illinoensis</i>	Illinois bundleflower
<i>Desmodium canadense</i>	Showy tick-trefoil
<i>Echinacea purpurea</i>	Purple coneflower
<i>Erigeron philadelphicus</i>	Marsh fleabane
<i>Erigeron pulchellus</i>	Robin's plantain
<i>Eryngium yuccifolium</i>	Rattlesnake master
<i>Eupatorium</i> spp.	Boneset
<i>Euphorbia corollata</i>	Flowering spurge
<i>Helianthus grosseratus</i>	Sawtooth sunflower
<i>Hypericum kalmianum</i>	Kalm's St. John's wort

NECTAR SPECIES	NECTAR SPECIES COMMON NAME
<i>Liatris aspera</i>	Rough blazing-star
<i>Liatris cylindracea</i>	Cylindrical blazing-star
<i>Liatris spicata</i>	Marsh blazing-star
<i>Lilium michiganense</i>	Michigan lily
<i>Lilium philadelphicum</i>	Wood lily
<i>Lithospermum canescens</i>	Hoary puccoon
<i>Lithospermum caroliniense</i>	Hairy puccoon
<i>Lobelia cardinalis</i>	Cardinal flower
<i>Lobelia siphilitica</i>	Great blue lobelia
<i>Opuntia humifusa</i>	Prickly pear
<i>Parthenium integrifolium</i>	Wild quinine
<i>Phlox pilosa</i>	Prairie phlox
<i>Ratibida pinnata</i>	Yellow coneflower
<i>Rudbeckia hirta</i>	Black-eyed susan
<i>Silphium integrifolium</i>	Rosinweed
<i>Silphium laciniatum</i>	Compass plant
<i>Silphium terebinthinaceum</i>	Prairie dock
<i>Tephrosia virginiana</i>	Goat's rue
<i>Tradescantia ohiensis</i>	Spiderwort
<i>Vernonia</i> spp.	Ironweed
<i>Veronicastrum virginicum</i>	Culver's root