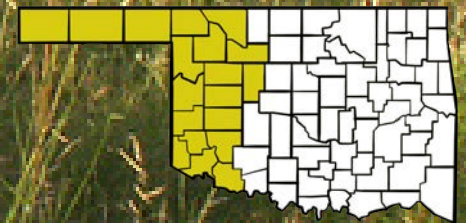


WESTERN Oklahoma Plant List for *Monarch Butterflies*



Why Monarchs?

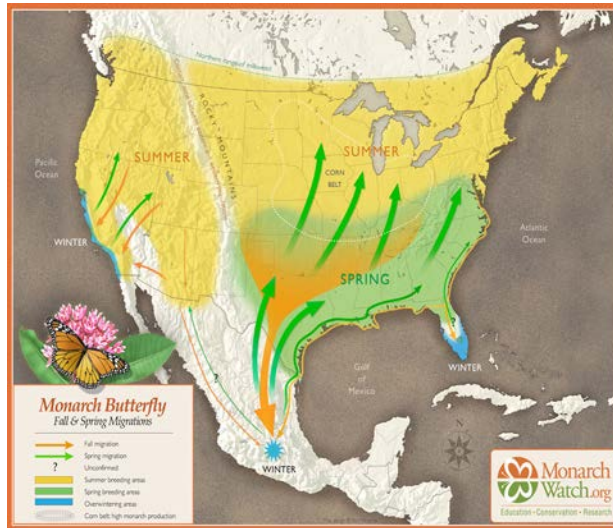


In the last decade, due to habitat loss and other factors, monarch butterfly populations have plummeted at an alarming rate. *And they continue to decline.*

Since 1996, monarch colonies have declined 90%. If all monarchs from the population high in the mid-1990s were grouped onto football fields, the area they covered has been reduced from 39 fields to an area barely larger than one.

Additionally, monarchs and other butterflies help pollinate our crops. It is important to restore and protect their habitat so we can continue to grow our food.

Why Oklahoma?



Oklahoma is centrally located in the monarch migration flyway!

Each spring, monarchs migrate north through Oklahoma and the Great Plains to Canada in search of milkweed plants on which to lay their eggs. In the fall, they fly back through Oklahoma and the Great Plains south to Mexico to spend the winter.

In order for Monarchs to thrive, we Okies must provide ample food, shelter and breeding grounds during both their migrations.

Take Action!



From Enid to Durant and Elk City to Tahlequah, now is the time (before it's too late) for us Okies to get our hands dirty and help the monarchs!

Action 1 - Show your support by taking the pledge to save the monarchs online at okiesformonarchs.org.

Action 2 - Provide monarchs with habitat by planting milkweed and nectar plants on your property. Did you know that Oklahoma has 26 different kinds of native milkweed plants and more than 79 monarch-friendly, native nectar plants? There's plenty to choose from! We made it easy with this visual guide of native plants adapted to your region's soil and climate.

Action 3 - Show us your new monarch habitat! Register your hard work online at okiesformonarchs.org and don't forget to upload a picture so we can show it off.

Using this Guide

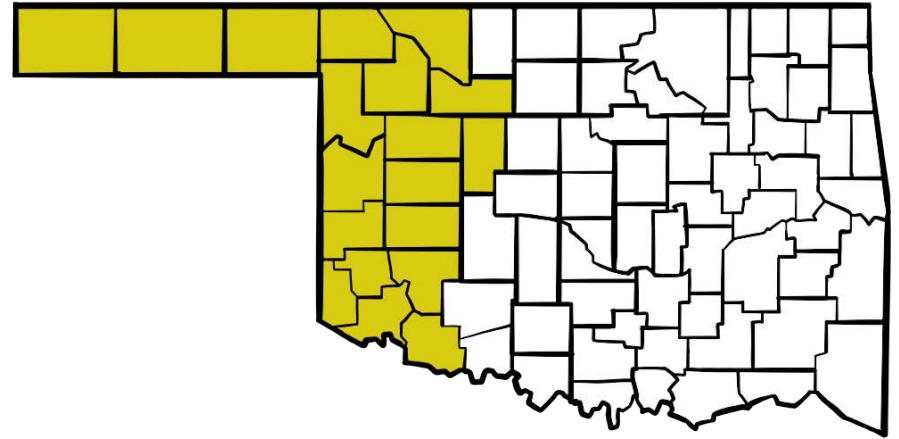
For optimum Monarch and butterfly habitat, plant at least 10 milkweed plants, made up of two or more species, and several annual, biennial, or perennial plants that are in bloom sequentially or continuously during spring (early), summer (mid) and fall (late).

Before purchasing plants, consider asking to make sure they haven't been treated with systemic insecticides. These chemicals can be harmful to the plant itself which in turn is harmful to the caterpillars that eat the plants.

The Western Oklahoma ecological region is made up of Cimarron, Texas, Beaver, Harper, Woods, Ellis, Woodward, Major, Roger Mills, Beckham, Harmon, Greer, Jackson, Tillman, Dewey, Custer, Washita, Kiowa, and Blaine counties.

The native plants listed in this guide will do best in this region. Please note however, if you are located near the boundary line between the Western and Central regions, consider utilizing plants from both regions.

The ecological regions and corresponding plant list were provided by the Natural Resources Conservation Service (NRCS) and The Xerces Society for Invertebrate Conservation.



EARLY SPRING & MID SUMMER BLOOM



BUTTERFLY MILKWEED
Asclepias tuberosa

- › Likes full sun
- › Grows 1-2' ft. tall
- › Low water use
- › Perennial



DAKOTA MOCK VERVAIN
Glandularia bipinnatifida

- › Likes sun, part shade
- › Grows 0-1' ft. tall
- › Low to Medium water use
- › Perennial



ENTIRE LEAF INDIAN PAINTBRUSH
Castilleja indivisa

- › Likes full sun
- › Grows 6-16" in. tall
- › High drought tolerance
- › Annual



GREEN ANTELOPEHORN
Asclepias viridis

- › Likes sun
- › Grows 9¾ - 25½" in. tall
- › Low water use
- › Perennial



INDIAN HEMP
Apocynum cannabinum

- › Likes sun
- › Grows 3-4' ft. tall
- › Likes a lot of water
- › Perennial



INDIAN BLANKET
Gaillardia pulchella

- › Likes full sun
- › Grows 1-2' ft. tall
- › High drought tolerance
- › Annual



LEMON BEEBALM
Monarda citriodora

- › Likes sun
- › Grows 1-2' ft. tall
- › Low water use
- › Annual



ROUNDHEAD PRAIRIE CLOVER
Dalea multiflora

- › Likes sun
- › Grows 1-3' ft. tall
- › High drought tolerance
- › Perennial



SHOWY MILKWEED
Asclepias speciosa

- › Likes sun
- › Grows 1½-2' ft. tall
- › Medium water use
- › Perennial



SNEEZEWEED
Helenium amarum

- › Likes some shade
- › Grows 1-3' ft. tall
- › Low water use
- › Annual



SPIDER MILKWEED
Asclepias asperula

- › Likes full sun
- › Grows 1-2' ft. tall
- › Medium water use
- › Perennial



SPOTTED BEEBALM
Monarda punctata

- › Likes full sun
- › Grows 1-3' ft. tall
- › Low water use
- › Annual



TEXAS VERVAIN
Verbena halei

- › Likes full sun
- › Grows 1-2½' ft. tall
- › Low water use
- › Perennial



WHITE PRAIRIE CLOVER
Dalea candida

- › Likes full sun
- › Grows 1-2' ft. tall
- › Medium water use
- › Perennial

MID SUMMER BLOOM



AMERICAN STAR THISTLE
Centaurea americana

- › Likes sun, some shade
- › Grows 1½ -5' ft. tall
- › Low water use
- › Annual



BALDWIN'S IRONWEED
Vernonia baldwinii

- › Likes full sun
- › Grows 3-5' ft. tall
- › Low water use
- › Perennial



BLACK SAMSON ECHINACEA
Echinacea angustifolia

- › Likes part shade
- › Grows 1 ½-2' ft. tall
- › Low water use
- › Perennial



COMMON BONESET
Eupatorium perfoliatum

- › Likes some shade
- › Grows 3-6' ft. tall
- › Low water use
- › Perennial



COMMON BUTTONBUSH
Cephalanthus occidentalis

- › Likes part shade
- › Grows 6-12' ft. tall
- › High water use
- › Perennial



COMMON MILKWEED
Asclepias syriaca

- › Likes full sun
- › Grows 3-5' ft. tall
- › Medium water use
- › Perennial



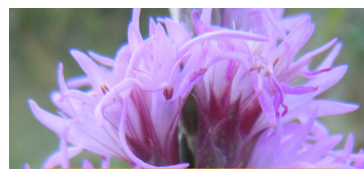
COMPASS PLANT
Silphium laciniatum

- › Likes full sun
- › Grows 3-6' ft. tall
- › Low water use
- › Perennial



COMMON SUNFLOWER
Helianthus annuus

- › Likes full sun
- › Grows 1½ - 8' ft. tall
- › Medium water use
- › Annual



DOTTED BLAZING STAR
Liatris punctata

- › Likes full sun
- › Grows 1-2' ft. tall
- › Medium water use
- › Perennial



DOWNY RAGGED GOLDENROD
Solidago petiolaris

- › Likes full sun
- › Grows 3-6' ft. tall
- › Low water use
- › Perennial



FIELD THISTLE
Cirsium discolor

- › Likes full sun
- › Grows 3-6' ft. tall
- › Low water use
- › Biennial (2 yr. life cycle)



HOARY VERBENA
Verbena stricta

- › Likes full sun
- › Grows 1-4' ft. tall
- › Low water use
- › Annual



JERUSALEM ARTICHOKE
Helianthus tuberosus

- › Likes sun
- › Grows 3-6' ft. tall
- › Low water use
- › Perennial



LATEFLOWERING THOROUGHWORT
Eupatorium serotinum

- › Likes part shade
- › Grows 1-3' ft. tall
- › Medium water use
- › Perennial



LEADPLANT
Amorpha canescens

- › Likes sun, some shade
- › Grows 1-3' ft. tall
- › Low water use
- › Perennial

MID SUMMER BLOOM



LEAVENWORTH'S ERYNGO
Eryngium leavenworthii

- › Likes full sun, some shade
- › Grows 20-40" in. tall
- › Low water use
- › Annual



MAXIMILIAN SUNFLOWER
Helianthus maximiliani

- › Likes full sun
- › Grows 3-10' ft. tall
- › Low water use
- › Perennial



MISSOURI GOLDENROD
Solidago missouriensis

- › Likes full sun
- › Grows 1-2' ft. tall
- › Low water use
- › Perennial



PENNSYLVANIA SMARTWEED
Polygonum pensylvanicum

- › Likes full sun
- › Grows 4" in. - 6' ft. tall
- › Medium water use
- › Annual



PURPLE PRAIRIE CLOVER
Dalea purpurea

- › Likes full sun
- › Grows 8-35" in. tall
- › Low water use
- › Perennial



ROUNDLEAF RAGWORT
Packera obovata

- › Likes some shade
- › Grows 1-3' ft. tall
- › Low water use
- › Perennial



ROUGHSTEM ROSINWEED
Silphium radula

- › Likes full sun
- › Grows 1-2' ft. tall
- › Low water use
- › Perennial



SCALY BLAZING STAR
Liatris squarrosa

- › Likes full sun
- › Grows 10-24" in. tall
- › Low water use
- › Perennial



SWAMP MILKWEED
Asclepias incarnata

- › Likes sun, part shade
- › Grows 2-4' ft. tall
- › High water use
- › Perennial



SWAMP VERVAIN
Verbena hastata

- › Likes full sun, part shade
- › Grows 2-5' ft. tall
- › High water use
- › Perennial



TALL THISTLE
Cirsium altissimum

- › Likes sun, part shade
- › Grows 6-12' ft. tall
- › Low water use
- › Biennial (2 yr. life cycle)



TEXAS THISTLE
Cirsium texanum

- › Likes sun, part shade
- › Grows 2-5' ft. tall
- › Low water use
- › Biennial (2 yr. life cycle)



WHITE HEATH ASTER
Symphotrichum ericoides

- › Likes full sun
- › Grows 1-3' ft. tall
- › Low water use
- › Perennial



WHOLELEAF ROSINWEED
Silphium integrifolium

- › Likes full sun
- › Grows 3-6' ft. tall
- › Low water use
- › Perennial



WHORLED MILKWEED
Asclepias verticillata

- › Likes sun, part shade
- › Grows 1-3' ft. tall
- › Low water use
- › Perennial

LATE SUMMER / FALL BLOOM



AROMATIC ASTER
Symphotrichum oblongifolium

- › Likes sun, part shade
- › Grows 1-2' ft. tall
- › Low water use
- › Perennial



BLUE SAGE
Salvia azurea

- › Likes part shade
- › Grows 3-6' ft. tall
- › Low water use
- › Perennial



CANADA GOLDENROD
Solidago altissima

- › Likes sun, part shade
- › Grows 2-4' ft. tall
- › Medium water use
- › Perennial



GOLDEN CROWNBEARD
Verbesina encelioides

- › Likes full sun
- › Grows 1-3' ft. tall
- › Low water use
- › Annual



GRAY GOLDENROD
Solidago nemoralis

- › Likes sun, part shade
- › Grows 1½-2' ft. tall
- › Medium water use
- › Perennial



SHOWY GOLDENROD
Solidago speciosa

- › Likes shade
- › Grows 1-5' ft. tall
- › High water use
- › Perennial



SPANISH GOLD
Grindelia papposa

- › Likes full sun
- › Grows 3-6' ft. tall
- › Low water use
- › Annual



SPIDER MILKWEED
Asclepias asperula

- › Likes full sun
- › Grows 1-2' ft. tall
- › Medium water use
- › Perennial



STIFF GOLDENROD
Oligoneuron rigidum

- › Likes full sun
- › Grows 3-7" in. tall
- › Low water use
- › Perennial

*Golden Crownbeard (*Verbesina encelioides*) blooms mid summer through fall. This is a critical resource for Monarchs during each migration. It is important to have this nectar source in each season.

Additional Resources

Lady Bird Johnson Wildflower Center
wildflower.org

Take the Pledge and Save the Monarchs
okiesformonarchs.org/pledge

The Kerr Center Guide to Native Milkweeds of Oklahoma
<http://kerrcenter.com/publication/native-milkweeds-oklahoma/>

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