Which Monarch Community Science Program is Right for You?

MONARCH JOINT VENTURE

What interests you?	What time can you spend?	Where are you?	When can you participate?	What would you like to do?	Check out this program!*
	15 min +		At least one in spring, summer, or fall	Identify milkweed or any monarch stage	Journey North
	15 min +		As convenient, when milkweed is visible	Identify milkweed or any monarch stage	mission monarch
	30 min +		At least once annually	Sample scales from wild or reared adult monarchs**	PROJECT MONARCH HEALTH
	30 min to 1 hour		Weekly when monarchs are breeding	Identify milkweed *and* immature monarchs	Monarch Larva Monitoring Project
	15 min +		At least one in spring, summer, or fall	Identify and count milkweed or any monarch stage	WESTERN MONARCH MILKWEED MAPPER
	45 min to 3 hours +		At least annually when monarchs could be present	Identify milkweed, flowering plants, or any monarch stage	INTEGRATED MONARCH MONITORING PROGRAM
	15 min +		As convenient, when monarchs are present	Identify dry or withered plants that adult monarchs visit	Monarch Rx
	15 min +		As convenient, when monarchs are present	Identify any monarch stage	MonarcaMX
	15 min +		At least once during fall migration	Identify adult monarchs	Project Monarch
	30 min +		At least once during fall migration	Safely handle and tag wild or reared adult monarchs**	Monarch Watch.org Education · Conservation · Research
	2-3 days		1-2 times annually in fall & winter	Identify adult monarchs	SOUTHWEST MONARCH STUDY Western Monarch Count

Habitat *Eggs, larvae, and pupae* *Adults*

**See reverse side for details*

***Handling of monarchs not allowed in CA without permit*

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Journey North

Tracks migration and life cycle events of monarchs across North America. In spring, report sightings of first arrival, first egg and larva, and first milkweed emergence. During summer, report monarch egg, larva, and milkweed presence. Beginning mid-August, report fall monarch migration and location of fall roosts. **Training**: Online. **Data submission**: Online. journeynorth.org *This is a program of the Monarch Joint Venture.*

mission monarch

Documents monarch reproductive success by gathering data on monarch and milkweed distribution and abundance in developed and natural areas. Shared observations are available online. **Training**: Online. **Data submission**: Online. mission-monarch.org *This is a program of the Montreal Space for Life Insectarium.*

PROJECT MONARCH HEALTH

Tracks the spread of *Ophryocystis elektroscirrha* (OE), a monarch butterfly parasite. Request a free sampling kit from the program, follow instructions to submit the samples, and receive a copy of the results. **Training**: Online. **Data submission**: Mail paper datasheets. monarchparasites.org *This is a program of the University of Georgia.*

Monarch Larva Monitoring Project

Studies factors affecting monarchs during the breeding season to learn how populations vary in time and space. Inspect milkweed plants for monarch eggs and larvae up to weekly. Conduct other activities, such as rainfall tracking, as time and interest allow. **Training**: Online and in person. **Data submission**: Enter paper datasheets online. mlmp.org *This is a program of Monarch Joint Venture.*

WESTERN MONARCH MILKWEED MAPPER

Tracks the distribution and phenology of monarchs and milkweeds in the western US. Upload photos of monarchs and milkweeds. **Training**: Online. **Data submission**: Online or mobile app. monarchmilkweedmapper.org *This is a partnership among The Xerces Society, Idaho Dept. of Fish and Game, Washington Dept. of Fish and Wildlife, National Fish and Wildlife Foundation, and US Fish and Wildlife Service.*

INTEGRATED MONARCH MONITORING PROGRAM

Tracks monarchs and their habitat to understand habitat availability, quality, and use by monarchs in different land-use types. Adopt a high priority site near you or select your own site. Choose among activities related to habitat quality, monarch reproduction, and behavior. **Training**: Online and in person. **Data submission**: Enter paper datasheets online. monarchjointventure.org/immp *This is a program of the Monarch Joint Venture.*

Monarch Rx

Tracks adult monarchs that visit dry or injured plan parts to take up chemicals called pyrrolizidine alkaloids. **Training**: Online. **Data submission**: Online or mobile app. citsci.org/projects/monarch-rx

MonarcaMX

Tracks monarchs of all life stages throughout Mexico. **Training**: In app. **Data submission**: Mobile app. *This is a program of Correo Real, an initiative to protect monarchs in Mexico.*



Enables members of the public to collect important data about monarch movement. Tagged monarchs carry tracking devices weighing 60 milligrams, the size of a grain of rice. These trackers then transmit over a 2.4GHz frequency, the same frequency utilized by smartphones. capemaypointartsandsciencecenter.org/project-monarch

Monarch Watch.org
Education • Conservation • Research

Provides information on timing and pace of the migration and origins of monarchs and success in reaching Mexico. Coded tags are placed on the hind wings of wild or reared monarchs in the eastern U.S. Tagging kits, available online, include instructions with data sheet. **Training**: Online. **Data submission**: Online or mail. monarchwatch.org *This is a program of the University of Kansas.*



Tracks migrating and breeding patterns of monarchs in AZ, CA, NV, NM, UT, and western CO by tagging monarchs during fall migration and winter. Order small, lightweight stickers with unique identifying numbers and place them carefully on wings of wild or reared monarchs. **Training**: In person or online. **Data submission**: Email or mobile iOS app (iPhone, iPad, etc.). swmonarchs.org/request-tags.php

Western Monarch Count

Estimates the western monarch population size and evaluates habitat in overwintering grounds. Connect with a Regional Coordinator to become trained and assigned a monitoring site. Survey your site during a focal period around Thanksgiving and New Year's Day. **Training**: In person. **Data submission**: Online, mail, or mobile app. westernmonarchcount.org *This is a program of The Xerces Society.*

Report Your Habitat!

HabiTally

What: Milkweed stems
Where: Entire US
How: HabiTally mobile app

www.monarchjointventure.org