

Lightning Talk

Western Monarch Science Initiatives

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Xerces Society



Western Monarch Science Initiatives

Community Science



Western Monarch Count

Surveying overwintering western monarchs & their habitat to track numbers & site condition over time.

WesternMonarchCount.org



Western Monarch Milkweed Mapper

Documenting monarch & milkweed observations spring through fall in the western U.S.

MonarchMilkweedMapper.org



Monarch Nectar Database

Collecting observations of monarchs nectaring on native plants to inform habitat restoration efforts.

Xerces.org/monarch-nectar-plants



Western Monarch Science Initiatives

Radio Telemetry

- ❖ Studying migration and overwintering movement with ultralight radio tag technology. **Detectable with Project Monarch app!*
- ❖ Expanding network of radio (Motus) towers to track western migration.
- ❖ Upcoming study to tag and track overwintering monarchs.



Photo: The Xerces Society

Western Monarch Science Initiatives

Overwintering Science & Collaboration



Modified near infrared camera and wind data logger set-up at Vandenberg Space Force Base, California, November 2023.

- ❖ Established a movement ecology working group.
- ❖ Collaborating with Kyle Nessen who is studying how wind impacts monarchs.
 - Guide restoration efforts

Contact us at monarchs@xerces.org for more information about our work.

