

# Monarch Wings Across America

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KELLY BILLS, POLLINATOR PARTNERSHIP



# POLLINATOR PARTNERSHIP

March Monarch Meeting  
*March 7, 2023*

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**Pollinator Partnership's** mission is to promote the health of pollinators, critical to food and ecosystems, through conservation, education, and research.

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# POLLINATOR PARTNERSHIP



*TheBeeMD*

# Monarch Wings Across America

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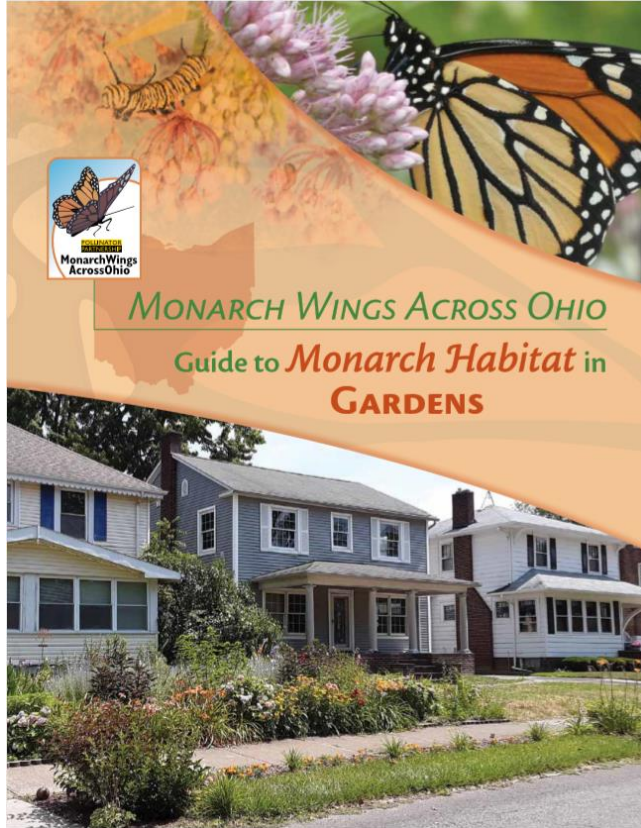
**Monarch Wings Across Ohio**

**Monarch Wings Across the Eastern Broadleaf Forest**

**Project Wingspan**

**Monarch Wings Across California**

**Monarch Wings Across the West**



# Monarch Wings Across Ohio

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Eastern  
Broadleaf  
Forest to...

Project  
Wingspan



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### Collect Seed

- Select target species
- Train volunteers
- Collect regionally appropriate seed



### Clean and Grow Seed

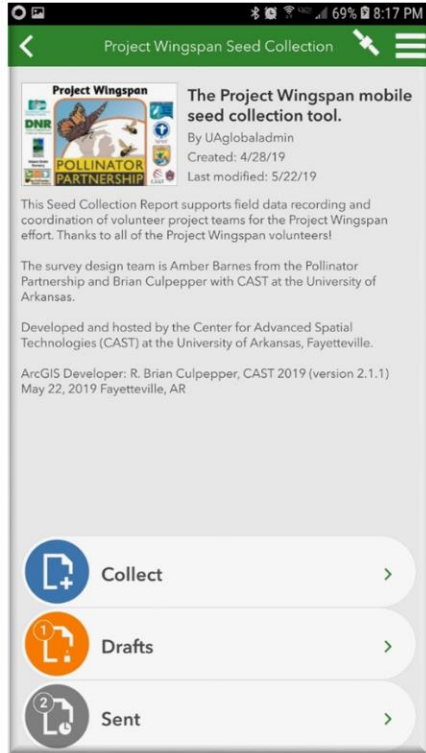
- Clean and inspect seed
- Divert a portion for grow out



### Spread Seed and Plugs

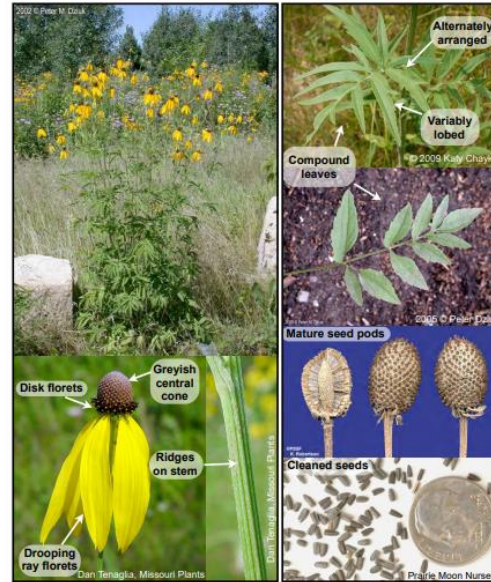
- Identify projects
- Provide habitat guidance
- Award materials



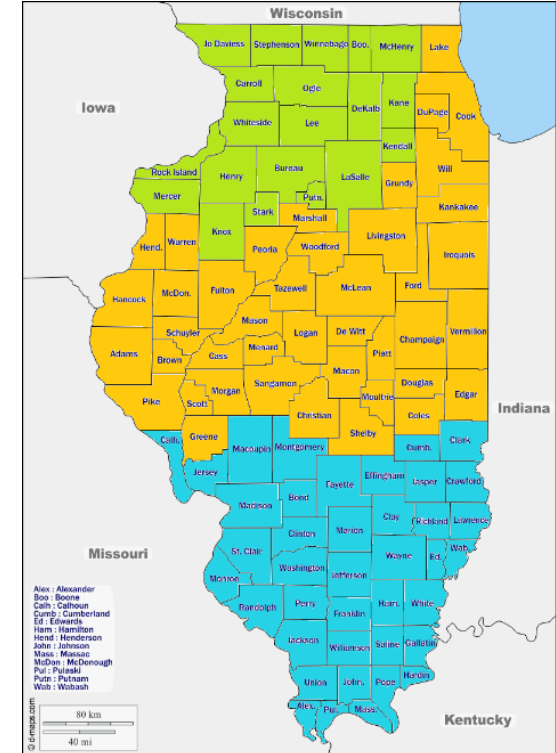


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*Ratibida pinnata*  
yellow coneflower



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# A scientific approach



# Accomplishments

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- 20+ in-person training workshops
- 1,000+ seed collection volunteers
- 250+ lbs of seed collected
- 50,000+ plugs from collected seed
- 100,000+ acres of high-quality habitat
- 100+ conservation projects received resources





# Monarch Wings Across California

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## Project Goals

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1. Establishment of long-term habitat sites for migrating monarchs in California
2. Improved understanding of the migration patterns and forage requirements of California monarch butterflies
3. Collection of California monarch habitat restoration data to inform restoration efforts and indicate potential seed sources for future projects

Russian River Vineyards



Merced College, Los Banos



Initial funding from Monarch Joint Venture and Hillsborough Garden Club

# Expansion: Monarch Wings Across the West

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## Wildlife Conservation Board Grant

- 2019-2023
- 2,000 acres
- 3 landowners
- Monitoring
- Training program

## National Fish and Wildlife Foundation Grant

- 2021-2023
- 1,000 acres
- 10 Landowners
- Monitoring

## National Fish and Wildlife Foundation Grant

- Adding Oregon
- 2022-2024
- 1,000 acres
- 10 Landowners
- Monitoring

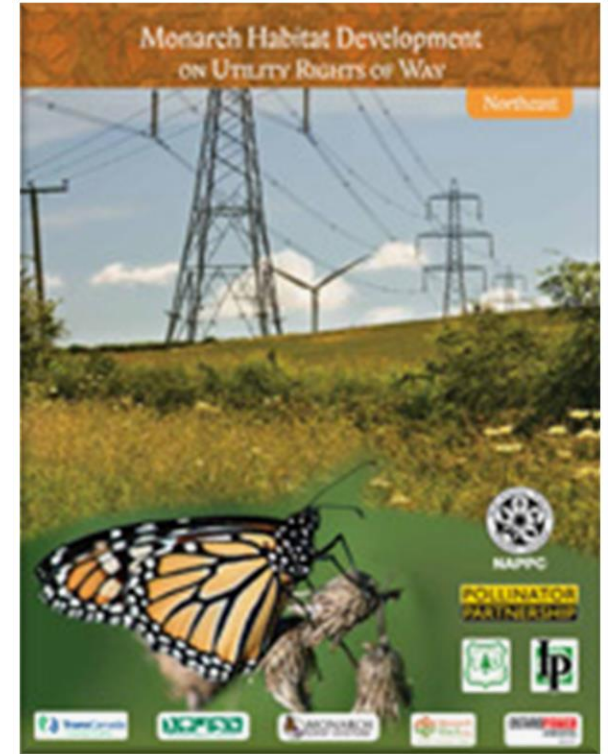
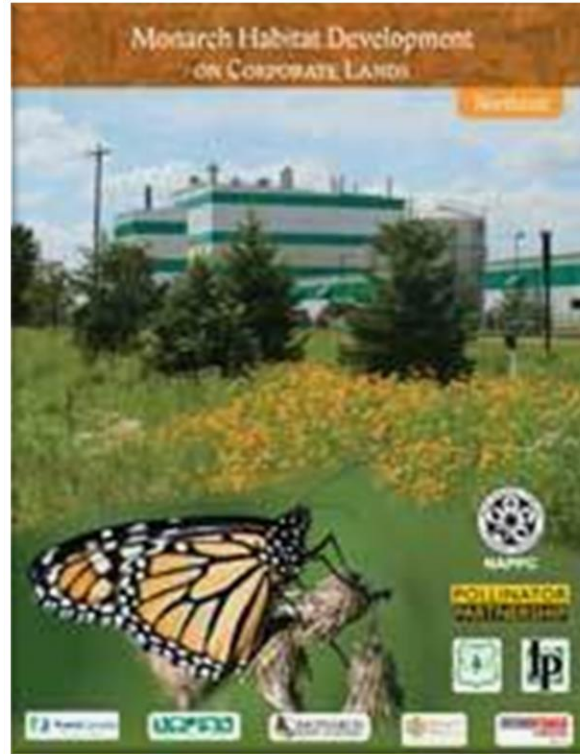
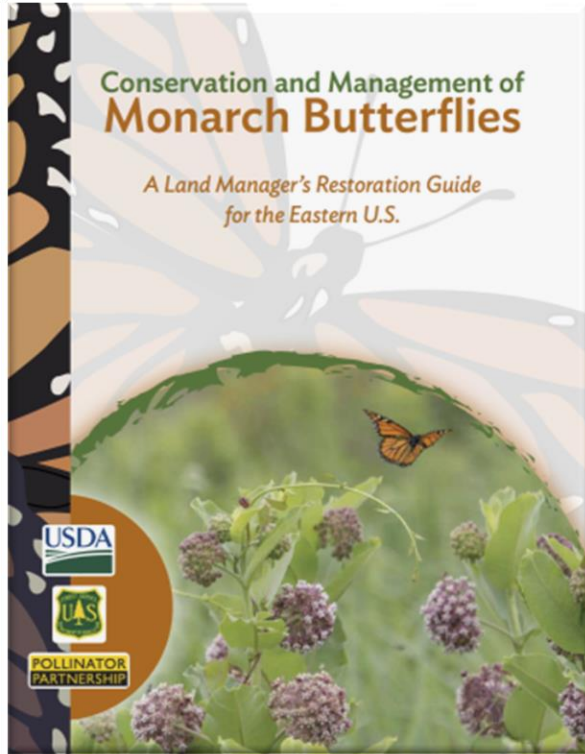




## Expected Research Findings

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- Monarch and other pollinator plant preference
- Monarch larval survival
- Phenological trends and associated pollinator needs
- Native plant viability, including responses to drought and other extreme weather events



# Monarch Resources



SELECTING  
PLANTS  
FOR  
POLLINATORS

A GUIDE FOR GARDENERS, FARMERS, AND LAND MANAGERS IN THE

BLACK HILLS  
CONIFEROUS  
FOREST  
ECOREGION

INCLUDING PARTS OF  
SOUTH DAKOTA  
AND  
NORTHEASTERN WYOMING

POLLINATOR  
PARTNERSHIP

MONARCH CONSERVATION

Support Monarchs

Featured Highlights

**Join Our Bee Friendly Gardening Program**  
APPLY TODAY

Kick off the new year by joining our Bee Friendly Gardening program! The mission of Bee Friendly Gardening is to help you play a bigger role in the health of pollinators and the planet - no lawn, garden, balcony or window box is too small. [Learn more and apply HERE](#)

In The News

- PRESS RELEASES AND NEWSLETTERS
- POLLINATOR PARTNERSHIP BLOG
- NAPPC PARTNER FORUM

Pollinator Events

Inviting Bees to Your Property

No Fear of Stings!

Bees and Other Pollinators are Your Gardening Friends: But, Won't I Get Stung?

Humans could not exist without pollinating insects, especially solitary bees, bumble bees, and honey bees. Pollinators provide humankind with 35% of our diet along with beverages, fibers, and medicines. Colorful fruits and vegetables containing nutrients and health-giving antioxidants sustain us and give us pleasure. Without bees, our diets would be restricted to bland starchy foods, wind-pollinated cereal grains.

Many people are wary, if not fearful, of insects such as bees and wasps. We don't like to get stung. Only about 0.3% of children and 3% of adults have actual sting allergies from bees, wasps, and ants which could, if untreated, lead to systemic reactions. The risk of a sting from bees in your yard or garden is very small, especially with a bit of advance knowledge.

This brochure will help reduce your insect anxiety while promoting an outdoor lifestyle that could include walking, hiking, gardening, taking photographs, or appreciating the beauty of wildflowers and nature. By trying some of these simple tips you may come to appreciate the beauty and fascination of watching pollinators at work.

Prepared by the Garden Task Force of the North American Pollinator Protection Campaign (NAPPC)

www.pollinator.org

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**Thank you!**

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