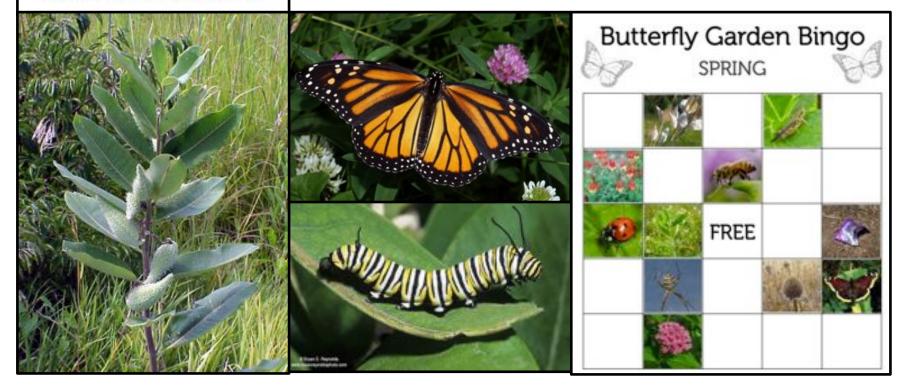
# A farmer in New York sprays herbicide on a field and kills the milkweed.

Herbicide

#### **Building Bliss for Butterflies**

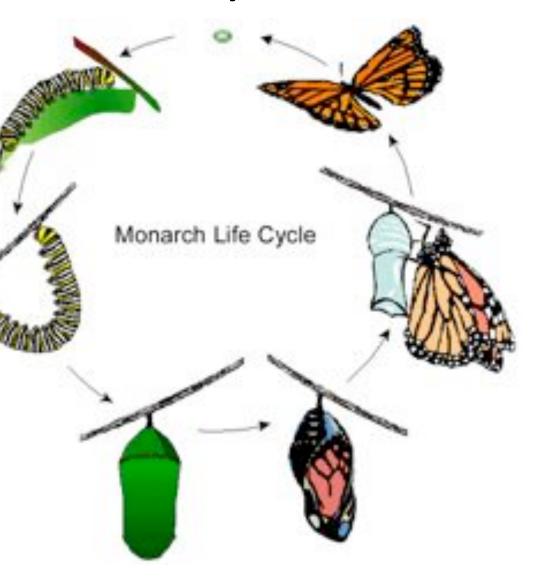
- Explore the plight of the monarchs!
- Learn how to help the butterflies!
- Create your own butterfly garden!

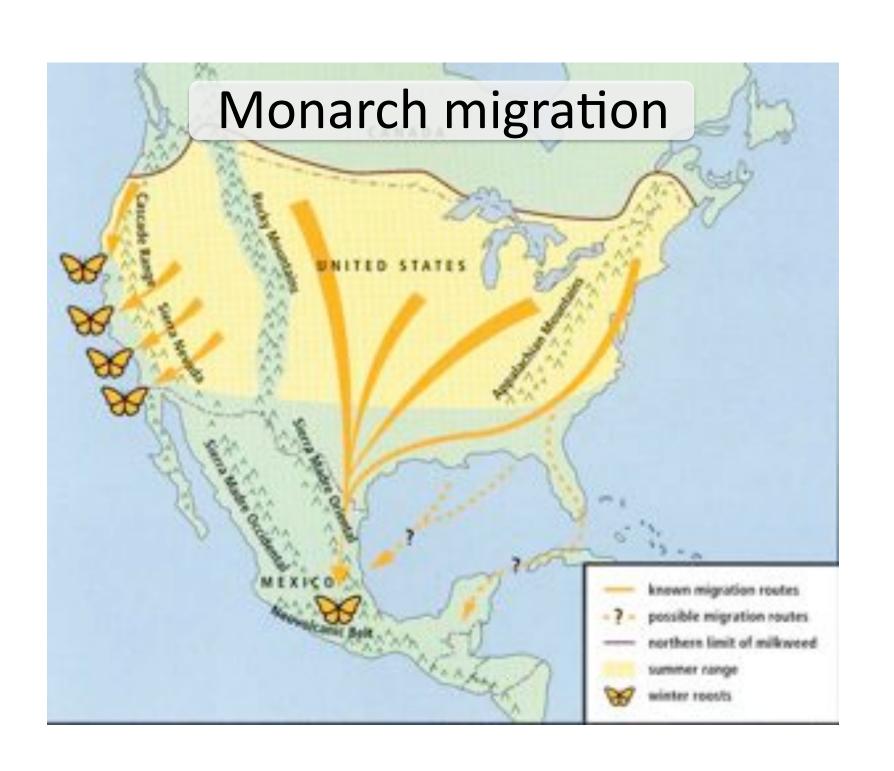


## The monarch life cycle

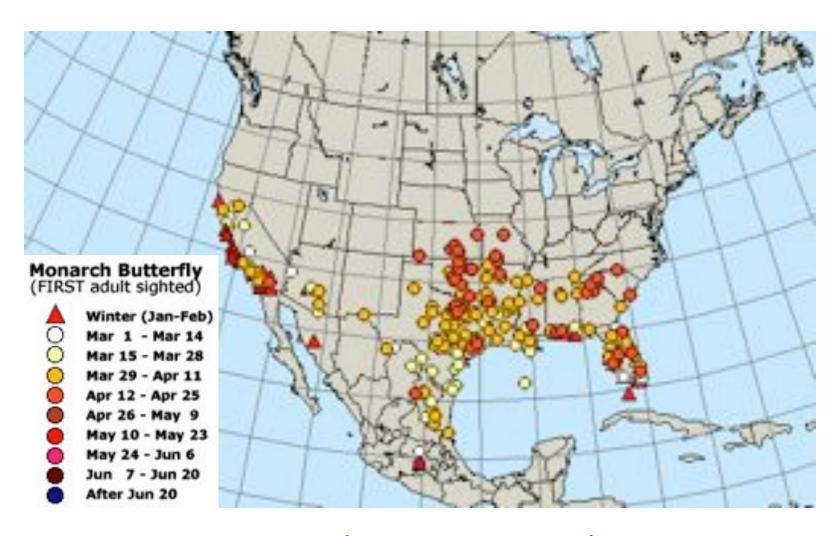


Monarchs have to migrate over the course of their lives



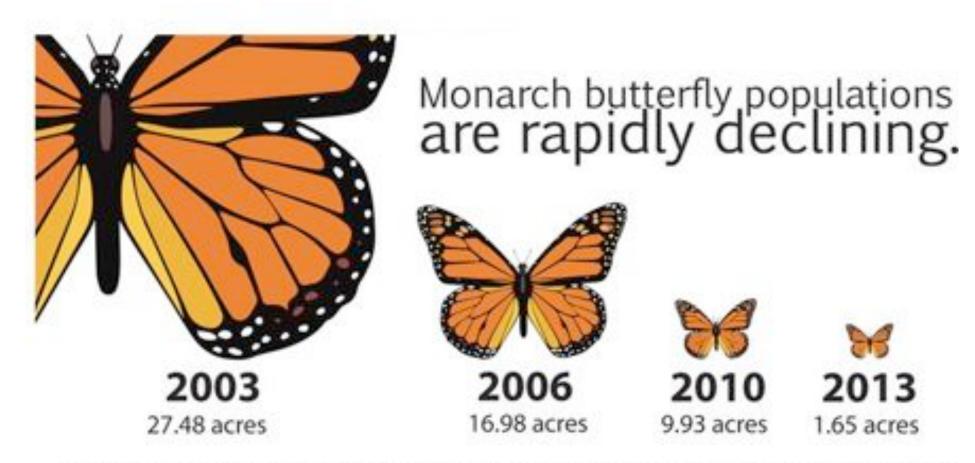


### You can track migration!



**Monarch Migration Tracker** 





Butterfly population is relative to number of acres inhabited during seasonal hibernation.

#### What's causing monarch decline?

- Deforestation in Mexico
- Severe weather
- Herbicide-based agriculture destroying crucial milkweed flora in the Midwest



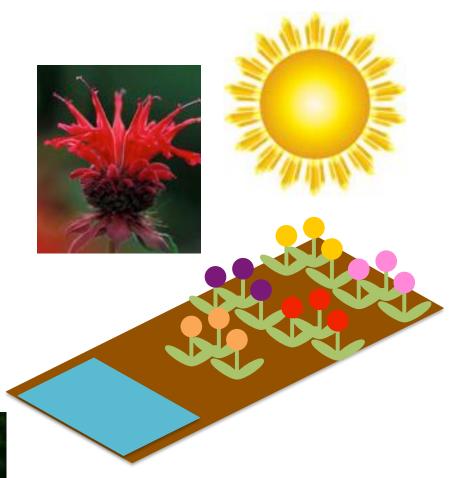


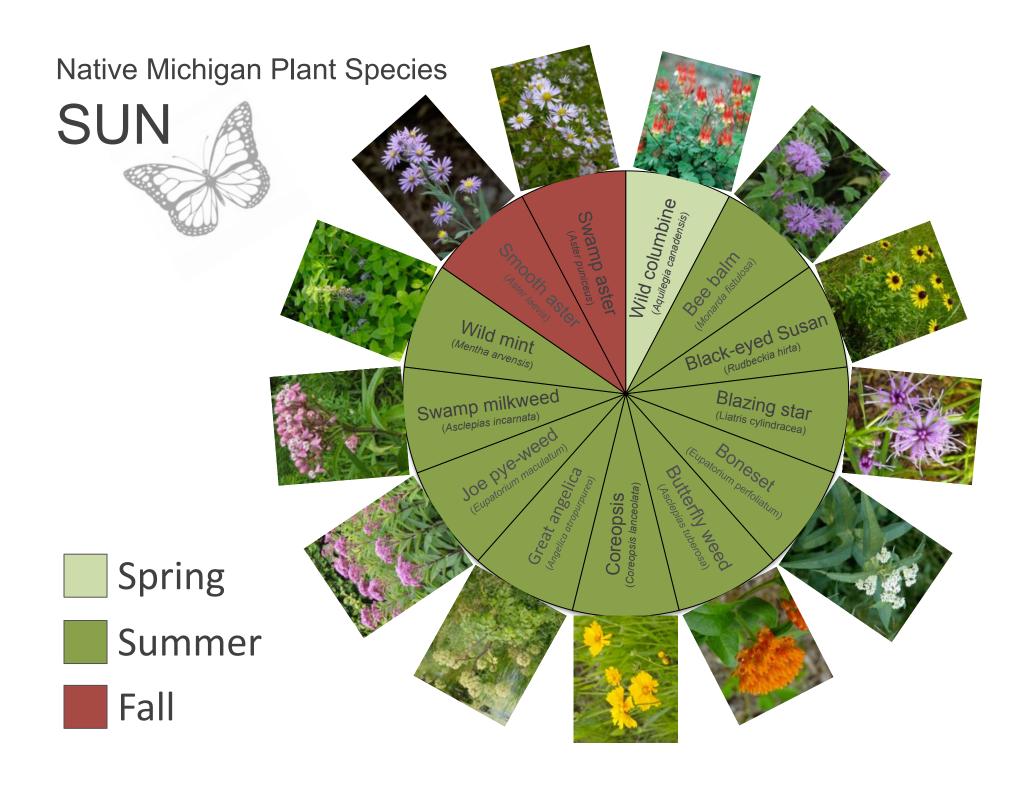
#### What can we do?

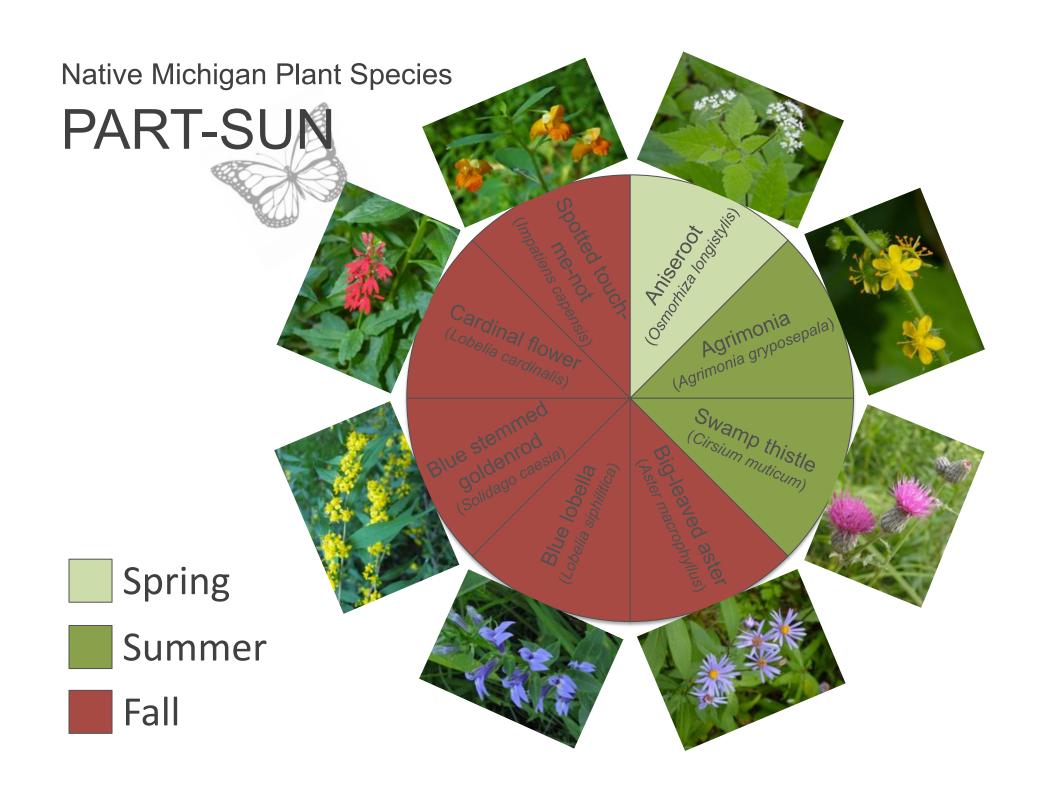


#### What attracts butterflies?

- Sun
- Water
- Flower color: pink, red, purple, yellow, orange
- Tubular flowers
- Flower with large, flat petals









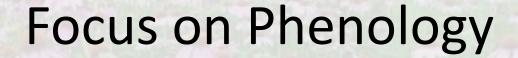
# Butterfly Garden Bingo SPRING





## Butterfly Garden Bingo SUMMER/FALL





- Seasonal changes in plants and animals from year to year
- Students make natural history observations
  - When do the insects show up in the spring?
  - When do the plants emerge?
  - When are there flowers?
- Can contribute to citizen science networks
- National Phenology Network