



# Monarch Larva Monitoring Project

## PERSONAL INFORMATION

Name of Participant(s):

Primary Mailing Address:

Secondary Mailing Address:

E-mail Address, if available:

How many years have you collected data for the Monarch Larval Monitoring Project?

When was the last year you participated?

Are you participating as part of an organization (school, nature center, etc.)? If so, what organization?

Will anyone (family, friends, etc.) be helping you with the monitoring? If so, please list their names (and ages if they are students/children).

We like to know a little about our volunteers. If you would like, tell us about your profession, other interesting information about you, whether you have helpers while you monitor, or anything else you think we would like to know.

## SITE INFORMATION

Information on your monitoring site will help scientists understand how the environment in and around your site influences monarch presence and abundance. If you cannot answer a question, it is okay to skip it.

1. If you have collected MLMP data in the past, is this the same site you monitored in previous years? If not, why not?
2. Where is your site located?  
City or Township: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_  
Geographical Coordinates, if known: \_\_\_\_\_
3. What type of site is it (only one):
  - CRP land (Conservation Reserve Program)
  - Other “old field” (not currently used for crops)
  - Pasture
  - Restored prairie
  - Natural prairie
  - Nature preserve
  - Roadside (ditch or strip next to a road)
  - Garden (planted milkweeds that are watered and maintained)
  - Agricultural area (cornfield, soybean field)
  - Other
4. On what date this year did the milkweed emerge? \_\_\_\_\_
5. We would like to know the size of your site. This means the entire contiguous area in which milkweed is growing, not just where you monitor. You may either give us the area, dimensions, or estimate the area. Please answer a or b.
  - a. What is the area of your site? \_\_\_\_\_ (Indicate units – square meters, acres, hectares, etc. Measure the length and width of the site and multiply them, or use a quantity that you already know, such as 40 acres.)
  - b. Estimate the size by choosing one of the following: (only one)
    - Very small: 0-10 sq. meters (100 sq feet) – e.g. a small garden
    - Small: 11-100 sq meters (1000 sq feet) – up to the size of half a tennis court
    - Medium: 101-1000 sq meters (10000 sq feet)– a little smaller than a football field
    - Large: 1001-10,000 sq meters (2.5 acres)
    - Very large: Over 10,000 sq meters (large fields and bigger)
6. Please list all milkweed species at the site.
7. Was this milkweed planted by humans, or did it grow naturally?

8. Please check any forms of management that occur on your site:
- ☐ Mowed 1-2 times per year
  - ☐ Mowed more than 2 times per year
  - ☐ Fertilized 1 or more times per year
  - ☐ Weeded
  - ☐ Planted with an agricultural crop (milkweed is a “weed” in this site)
  - ☐ Burned every year
  - ☐ Burned every 2-3 years
  - ☐ Burned with a frequency of less than once every 3 years
9. Which of the following are found within your site? This includes the entire contiguous area that contains milkweed, not just the part of it that you monitor.
- ☐ Flowering plants
  - ☐ Native grass
  - ☐ Lawn grass
  - ☐ Shrubs (less than 3 m tall)
  - ☐ Trees (more than 3 m tall)
  - ☐ Natural body of water (pond, lake, or river)
  - ☐ Human-provided water (birdbath, pond, etc.)
10. Which of the following border your site? This includes the entire contiguous area that contains milkweed, not just the part of it that you monitor.
- ☐ Lawns
  - ☐ Agricultural fields
  - ☐ Residential buildings
  - ☐ Industrial or commercial buildings
  - ☐ Roads
  - ☐ Body of water (lake, pond, river)
  - ☐ Deciduous woods
  - ☐ Evergreen woods
  - ☐ Schoolyard
  - ☐ Park
  - ☐ Other
11. How would you describe most of the area immediately surrounding your site? (only one)
- Undisturbed (forest, prairie, or other natural vegetation)
  - Rural agricultural
  - Small town
  - Suburban
  - Urban
12. If your site is in a city, suburb, or town, what is the population?
- Less than 5,000
  - 5,001 – 25,000
  - 25,001 – 100,000
  - Over 100,000

13. Is either of the following within 1 km (0.6 miles) of your site?

- Another small to medium area with milkweed (0-1000 sq meters)
- Another large to very large area with milkweed (over 1000 sq meters)

14. What is the elevation of your site?

- 0-750 m (0-2500 ft)
- 751-1500 m (2501-5000 ft)
- 1501-2250 m (5001-7500 ft)
- 2251-3000 m (7501-10000 ft)
- Over 3000 m (over 10000 ft)

15. Do you ever release adult monarchs at this site? If so, how often and how many?

- Yes
- No

If yes, how often? (only one)

- Once
- 2-3 times
- More than 3 times

And how many? (only one)

- 1-5
- 6-10
- More than 10

16. Do you collect monarchs at this site? If so, what stages and approximately how many?

Stage	Check if this stage is collected	Check how often		
		A few	Every once in a while	Most or all that I see
Egg		<input type="checkbox"/> A few	<input type="checkbox"/> Every once in a while	<input type="checkbox"/> Most or all that I see
L1		<input type="checkbox"/> A few	<input type="checkbox"/> Every once in a while	<input type="checkbox"/> Most or all that I see
L2		<input type="checkbox"/> A few	<input type="checkbox"/> Every once in a while	<input type="checkbox"/> Most or all that I see
L3		<input type="checkbox"/> A few	<input type="checkbox"/> Every once in a while	<input type="checkbox"/> Most or all that I see
L4		<input type="checkbox"/> A few	<input type="checkbox"/> Every once in a while	<input type="checkbox"/> Most or all that I see
L5		<input type="checkbox"/> A few	<input type="checkbox"/> Every once in a while	<input type="checkbox"/> Most or all that I see
Pupa		<input type="checkbox"/> A few	<input type="checkbox"/> Every once in a while	<input type="checkbox"/> Most or all that I see
Adult		<input type="checkbox"/> A few	<input type="checkbox"/> Every once in a while	<input type="checkbox"/> Most or all that I see