



Monarch Madness Instructions

Instructions for how to participate in the WRDSB Monarch Madness Event

WHY MONARCHS MADNESS?

Monarchs are amazing! They also have declining populations and are listed as a 'species at risk'. They need your help! We need to know how many Monarchs live in Waterloo and where their host plants are so that we can plan where to place our Monarch Way-Stations next year. Your School could be one!

For helping us out you can earn a badge for each Monarch life stage observed. Your participation also will earn your school points on our Monarch Leaderboard. The school with the most participants will be guaranteed a Monarch Waystation installed at their site by WRDSB high school horticulture students next spring.

WHAT TO DO:

- 1) Observe Monarchs and their host plant, Milkweed, anywhere in Waterloo Region. You may make as many observations as you wish during the count period starting at 8AM on June 15th, and finishing 4PM on September 25th.
- 2) You will earn a badge for each lifestage you observe so find some Milkweed and return several times through the summer to find Monarch Eggs, Caterpillars, Chrysalis and eventually Adults!
- 3) Note the date and nearest road intersection for your observation.
- 4) Describe the type of Milkweed (Common or Swamp), how many plants in the patch, and how many you searched for Monarchs.
- 5) IF you found eggs, larva, pupa or adults please note how many of each.
- 6) Enter your observations online at: [<https://forms.gle/E4UR2an2pUDLKaRd9>], or complete the attached paper form and share it with us. Submit a new checklist for:
 - a) Each new day
 - b) Each new location
- 7) When submitting your observations, you will be submitting using a google form and you will have to sign using an email address. We will send your badges to this email address so please enter it carefully.
- 8) Please share with us your experience. Write a short description of what you did in the comments section. Did you see something you weren't expecting? Were you surprised by anything?
- 9) When you are done, click the 'Submit' button! You should see a confirmation page that will give you the option of changing your submission if you think you made an error. You should also get an email summary of your observations.
- 10) Please share a photo of your experience (especially interesting bird pictures) by email or social media.
- 11) If you observe Monarchs again during the count period, submit another form!

"THERE IS NOTHING IN A CATERPILLAR THAT TELLS YOU IT'S GOING TO BECOME A BUTTERFLY."

~R. BUCKMINSTER FULLER

WHY COUNT MONARCHS?

"Observations from the public can help scientists gain valuable information that will support regional efforts to protect the monarch butterfly and its habitat all along its migratory flyways."

—ANDRÉ-PHILIPPE DRAPEAU PICARD,
MISSION MONARCH COORDINATOR AT
THE INSECTARIUM/MONTREAL SPACE
FOR LIFE

"WE ARE LIKE BUTTERFLIES WHO FLUTTER FOR A DAY AND THINK IT IS FOREVER."

—CARL SAGAN

Ethics:

Please read and remember to follow our 'Monarch Madness Ethic Considerations' so that we can all participate in a way that is safe, not only for ourselves but our community and nature as well.

Sincerely,
The Outdoor and Environmental Education Team.

THE WATERLOO REGION DISTRICT SCHOOL BOARD RECOGNIZES, CURRENT EDUCATIONAL THOUGHT EMPHASIZES THE IMPORTANCE OF OUTDOOR EDUCATION AS A HOLISTIC METHOD OF EDUCATION USED TO ENRICH THE SCHOOL CURRICULUM THROUGH EFFECTIVE UTILIZATION OF THE NATURAL ENVIRONMENT

—WRDSB POLICY 6004
OUTDOOR EDUCATION/ OFF CAMPUS EDUCATION

IT IS THE POLICY OF THE WATERLOO REGION DISTRICT SCHOOL BOARD (WRDSB) TO PROMOTE THE DEVELOPMENT OF ENVIRONMENTALLY SOUND VALUES BY MODELING APPROPRIATE PRACTICE, BY SUPPORTING ENVIRONMENTALLY SOUND ACTIVITIES AND BY SUPPORTING A COMPREHENSIVE ENVIRONMENTAL EDUCATION PROGRAM

—WRDSB POLICY 2000
ENVIRONMENTAL VALUES

Observation Form:

Your School:

Your Age (optional):

Adult helper?

- Yes
- No

Date (dd/mm/yy):

Location (Where was the Milkweed or Monarch?):

- a. Geographic Location:
 - If you can please give us the latitude and longitude:
 - a. Latitude: _____

- b. Longitude: _____

If the observation is from your property (home) you don't need to submit an exact location, the nearest intersection is good enough.

- Intersection:

b. Type of Location:

- Urban
- Sub-urban
- Rural

c. Habitat of Location:

- Garden
- Field
- Roadside
- Park

Milkweed and Monarchs!

Milkweed:

- a. Was it planted or wild?
 - Planted
 - Wild
- b. What type of Milkweed did you find?
 - Common
 - Swamp
 - Other?
- c. Number of Plants Checked?

- d. Number of Plants in Patch?

Monarchs:

- a. Number of Eggs?
- b. Number of Larva?
- c. If present, which instar?
 - 1
 - 2
 - 3
 - 4
 - 5
- d. Number of Pupa?
- e. Number of Adults?

- f. Did the Adult have a tag?
 - Yes
 - No
- g. If present, what was the number?

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