

## Wisconsin NatureMapping Milkweed Community Study

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### Resources:

#### **MILKWEED**

##### **Milkweed Monitoring Project**

<http://www.dnr.state.wi.us/org/caer/ce/eeek/teacher/milkweedmonitoring.htm>

This site provides an overview of the history of the milkweed monitoring project in WI and includes training and contact information. (Special Note: Due to insufficient funds few, if any, training sessions are being offered. However, if you contact Lindsey Haas, she will mail you the milkweed monitoring resource kit!)

##### **Wisconsin's Milkweed Classroom Monitoring Network**

<http://www.dnr.state.wi.us/org/caer/ce/eeek/earth/field/milkweed/index.htm>

This site includes information regarding milkweed, monarchs, biomonitoring, and ozone. Also, this site is the official website for Milkweed Monitoring data from WI classrooms!

##### **Monarch Watch**

<http://www.monarchwatch.org/index.html>

The best guide on the web to milkweed! This site includes photographs and descriptions of various milkweed species.

#### **MONARCHS**

*Milkweed, Monarchs and More: A Field Guide to the Invertebrate Community in the Milkweed Patch* by Ba Rea, Karen Oberhauser and Michael A. Quinn.

[http://www.monarchlab.org/products/comersus/store/comersus\\_viewItem.asp?idProduct=75](http://www.monarchlab.org/products/comersus/store/comersus_viewItem.asp?idProduct=75)

This is a link to Monarchs in the Classroom's store where you can order this 96 page, full color field guide to the invertebrates found in the milkweed community.

##### **Monarch Butterfly Thematic Resource Unit**

<http://www.midgefrazel.net/monarchtheme.html>

This site is a resource page developed by Migde Frazel and contains a variety of links (including those in the following list) and resources for educators.

##### **Monarchs in the Classroom**

<http://www.monarchlab.umn.edu/>

This website is an invaluable resource for any teacher interested in incorporating monarch biology into their curriculum. It even has a monarch store where books and curriculum guides as well as live monarchs can be purchased!

*The Monarch Butterfly: Biology and Conservation* Edited by Karen Oberhauser and Michelle Solensky

[http://www.monarchlab.org/products/comersus/store/comersus\\_viewItem.asp?idProduct=1112](http://www.monarchlab.org/products/comersus/store/comersus_viewItem.asp?idProduct=1112)

This is a link to Monarchs in the Classroom's store where you can order this informative book describing the latest research on monarch biology and conservation.

### **Monarchs in the Classroom: Inquiry-based Curriculum Guides**

[http://www.monarchlab.org/products/comersus/store/comersus\\_viewItem.asp?idProduct=71](http://www.monarchlab.org/products/comersus/store/comersus_viewItem.asp?idProduct=71)

This is a link to Monarchs in the Classroom's store where you can order one of three (K-2, 3-6, or Middle School) 225+ page curriculum guides that include lesson plans on life cycle, butterfly systematics, ecology, conservation, experiments, and migration.

### **The World of Monarch Butterflies**

[http://www.mlmp.org/resources/Monarch\\_Biology.ppt#258,1,The World of Monarch Butterflies](http://www.mlmp.org/resources/Monarch_Biology.ppt#258,1,The World of Monarch Butterflies)

This is a link to a PowerPoint presentation on monarch biology that was created by Monarchs in the Classroom.

### **Monarch Watch**

<http://www.monarchwatch.org/index.html>

One of the most complete sites on the monarch! Also, has a place to order monarchs!

### **Digital Monarch Watch**

<http://pathfinderscience.net/monarch/index.cfm>

This site is the digital branch of Monarch Watch where monarch butterfly data is entered online. This site includes real-time map of monarch migration!

### **Monarch Larvae Monitoring Project**

<http://www.mlmp.org/monitoring/tools.html>

This site offers a field guide to monarch caterpillars. The guide uses photographs and descriptions that will help you identify monarch eggs and instars.

### **Journey North's Monarch Butterfly Section**

<http://www.learner.org/jnorth/tm/monarch/Resources.html>

This website features lesson plans, activities, and other information.

### **Milkweed Café**

<http://www.milkweedcafe.com/>

This site sells butterfly-rearing kits, videos, etc. But, the best aspects of this site are the photographs and videos showing the process of butterfly metamorphosis!

### **OZONE**

#### **Ozone Damage on Milkweed**

<http://www.dnr.state.wi.us/org/caer/ce/eek/earth/field/milkweed/slideshowindex.htm>

This site includes a great slide show containing photographs and descriptions of ozone damage to milkweed.

### **Hot Summer Days Ozone Action Day**

<http://www.dnr.state.wi.us/org/caer/ce/eeek/earth/air/ozone.htm>

This site includes links to information regarding types of ozone, causes of ozone air pollution, ways to reduce ozone air pollution, and ozone air pollution monitoring using milkweed.

### **Keeping an Eye on Ozone**

<http://pathfinderscience.net/ozone/index.cfm>

This site has information regarding ozone, ozone air pollution, and the effects it has on plant life. It also includes information about milkweed as a bioindicator.

### **The DNR Air Management Pages**

<http://www.dnr.state.wi.us/org/aw/air/>

This page on the WI DNR website has links to information about ground-level and stratospheric ozone as well as biomonitoring and other resources.

### **EPA's Ozone Mapping Pages**

[www.epa.gov/airnow](http://www.epa.gov/airnow)

This site has animated images of ground-level ozone formation and transport.