



Project R.E.D. *Rural Education Day*

Where did it begin?

- Washtenaw County – 25 years ago
 - 3 volunteers – Sue Huehl, Holly Porter & Nancy Thelen
- Today
 - 3 day event
 - More than 2,350 students
 - And 23 schools
 - 320 volunteers



Michigan Farm Bureau

- By 2003, 12 County Farm Bureaus were hosting events
- 2005 – Brought Project R.E.D. to MFB State Annual Meeting in Grand Rapids
- 4 years
- Typically
 - More than 1,000 urban students
 - Trained 200 volunteers, on average



How do R.E.D.s Work?

- Late spring or early fall
- 3rd or 4th graders, typically
- Educational stations; students rotate
- Collaborative effort of volunteers



How do R.E.D.s Work?

- Planning typically begins 9 months prior
- Volunteers present on the topics
 - Vary by area of the state
 - Many will bring in their own animals, equipment or plants
 - Farmers, agri-business, technical specialists, foresters, FFA students, etc.

MFB Resources:

- How to guide
- Signage with commodity/agriculture facts
- Other promotional items



IT'S THE BEES

Each worker honey bee makes $\frac{1}{12}$ th teaspoon of honey in its lifetime.

Honey bees visit **50-100 flowers** during one honey collecting trip.

In one day a honey bee can fly **12 miles** and pollinate up to 10,000 flowers.



UDDERLY AMAZING



One day's production is 2.6 pounds of butter or **9 gallons of milk** or 6 pounds of cheese.

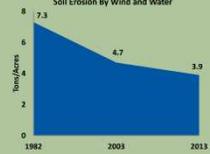
It usually takes about **20 minutes** for a cow to be milked. On average a cow is milked **2 to 3 times** a day.



PROTECT OUR RESOURCES

More than **1,000,000 acres** of Michigan farmland are participating in **conservation programs** to improve soil, air and water quality and provide wildlife habitats. NRCS, 2013.

U.S. cropland soil erosion by wind and water has **decreased by 50% since 1982.**



Year	Tons/Acre
1982	7.3
2003	4.7
2013	3.9

Crop rotation, the practice of growing different crops in succession on the same land, is another way farmers care for the land.



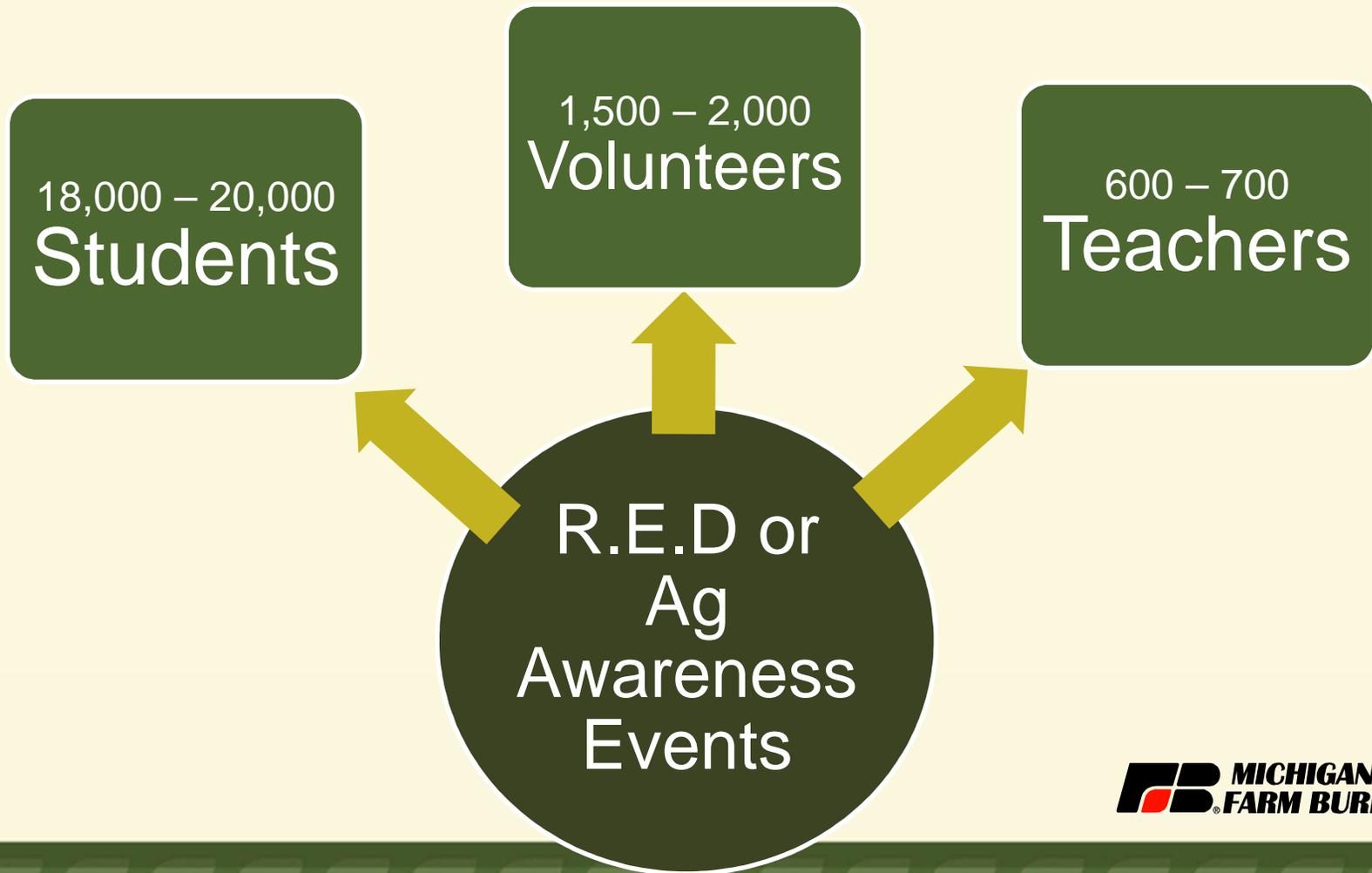
Counties Participating

- Van Buren
- Branch
- Hillsdale
- Lenawee
- Jackson
- Washtenaw
- Wayne
- Monroe
- Livingston
- Oakland
- Barry
- Ingham
- Shiawassee
- Huron
- Tuscola
- Sanilac
- St. Clair
- Macomb
- Lapeer
- Oceana
- Mason
- Osceola
- Newaygo (2015 new)
- Gratiot
- Isabella
- Saginaw
- Midland
- Missaukee
- Huron Shores (Alpena & Alcona)
- Iosco
- Ogemaw
- Otsego
- Mac-Luce-Schoolcraft

33 counties have or are currently hosting R.E.D. events



Total Average Reach





Michigan Agriculture in the Classroom

- MFB is the State Contact
 - Central Region
 - Hosting Regional Conference, April 15-17, at Kellogg Center
- Lots of resources
 - Books with lesson plans
 - Just lesson plans
 - Some lessons can be downloaded
 - Complimenting items like posters, bookmarks, activity cards, etc.



Vision

Agriculture is valued by all.

Mission

Increasing agricultural literacy through K-12 Education.

Agricultural Literacy

An agriculturally literate person understands and can communicate the source and value of agriculture as it affects our quality of life.

National Curriculum Database

The screenshot shows a web browser window with the URL <http://www.agclassroom.org/teacher/matrix/>. The page features the logo for National Agriculture in the Classroom, which includes a stylized apple icon. Navigation links include Home, Teacher Center, Student Center, Get Involved, and Affiliates. A dark blue header contains the text "Welcome to the National Agricultural Literacy Curriculum Matrix". Below this is a search bar and buttons for "Submit a Resource", "MyBinder", and "Login". A section titled "Browse the Matrix" provides a description of the curriculum map and its purpose. A "Submit a Resource to the Matrix" section encourages users to share their resources. At the bottom, there is a "Keyword Search Lesson Plans & Companion Resources" section with a search input field and a "Search Now!" button. A video player on the right side of the page shows a woman in a lab coat working with glassware, with the caption "About Biotech".

http://www.agclassroom.org/teacher/matrix/ National Agriculture in the ...

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 Questions? Contact Us Translations

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Welcome to the National Agricultural Literacy Curriculum Matrix

Search the Matrix [↑ Submit a Resource](#) [MyBinder](#) [★ Login](#)

Browse the Matrix

The National Agricultural Literacy Curriculum Matrix is an online, searchable, and standards-based curriculum map for K-12 teachers. The Matrix contextualizes national education standards in science, social studies, and nutrition education with relevant instructional resources linked to Common Core Standards. Search our instructional, classroom-ready resources now! After you find what you need, consider storing them in your personal binder — MyBinder! Create a MyBinder profile now, or login.

Submit a Resource to the Matrix

We are always looking for quality resources! Submit an [innovative lesson plan](#) or [relevant companion resource](#) today!

Keyword Search Lesson Plans & Companion Resources

Keyword Search

 About Biotech

Online Resource Catalogue

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Lesson Plans: K - 3rd Grade

AG EDUCATION & LEADERSHIP

PROMOTION AND EDUCATION

YOUNG FARMER

AG FACTS

EDUCATIONAL RESOURCES

- ACCURATE AG BOOKS
- AG MAGS
- AG PRIZES
- AG TRIVIA AND FACTS
- BROCHURES, BOOKS AND GUIDES
- CAPTAIN FOOD FABULOUS
- CAREER RESOURCES
- EDUCATIONAL PROJECT KITS
- FARMERS CARE RESOURCES
- LESSON PLANS: K - 3RD GRADE

These Agriculture in the Classroom lessons are matched to Michigan Educational Standards. You will find lessons in all major subject areas which use agriculture as a vehicle for teaching key concepts. Download each lesson pdf for free!

Math

Grade	Lesson Plan
K - 1	Agriculture Counts
K	Match the Shapes
K - 3	Have You the Time of Day
K - 3	Apple Math
K - 3	A Hundred Bales of Hay
K - 3	Profit from Pumpkins
1 - 3	By the Pound
1 - 3	Fresh from the Farm
1 - 3	Next Year's Seeds

Language Arts

Grade	Lesson Plan
K - 3	Made From Animals
K	Which One is Different
K - 2	The Little Red Hen
K - 3	How Does My Garden Grow?
K - 3	The Story of Milk
1	This Little Pig
1 - 3	Fainting Goats
1 - 3	Farming Through the Seasons
2 - 3	Ag Libs
2 - 3	Truth or Hoowash?
2 - 3	Wheat: From Field to Oven
3	The Apple Tree
K - 3	Mr. Willowby's Christmas Tree

Science

Grade	Lesson Plan
K	Plant Parts We Eat
K	Living or Non-Living
1 - 3	Biodegradable Plastic from Corn
K - 3	Worm Watching
1 - 3	The Web of Life
1 - 3	Chew it Twice
1 - 3	Agriculture is a Cycle
2	Understanding Insects as Friends or Foes
2	Water - What's its Matter?



Teacher Newsletter



February 7, 2014

A publication of Michigan Farm Bureau's Promotion & Education Department



Trivia

- Michigan is the leading producer of these berries.
- What city is known as "Cereal City" for hosting Kellogg's and Post cereals?
- How many honeybees does it take to make one tablespoon of honey?

[Click here for the answers.](#)

[Trivia](#)

[National Ag Week](#)

[Middle School Lesson
Package](#)

[Fill up on Michigan Recipes.](#)

[Food Information and
Farm Facts](#)

[Foodie News](#)



National Ag Week



National Ag Week is March 24- 28 and is a great time to get your classroom and school involved in learning about agriculture. Plan a agriculture day or work with your county Farm Bureau to bring agriculture into your classroom. Utilize lesson plans from our website, read an Accurate Ag book to your class or contact your county Farm Bureau to have local

MICHIGAN FOUNDATION FOR AGRICULTURE

LEADERSHIP | PROMOTION | SCHOLARSHIP | EDUCATION

- Supports Promotion & Education
- Michigan Ag in the Classroom
- State Promotion & Education Committee
- Young Farmer Programs
- State Young Farmer Committee
- And, more...

Websites/Resources

miagclassroom.org

agclassroom.org

agfoundation.org