



Mini 4-H

Farm Animals:

Dairy



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Tippecanoe County Mini 4-H Farm Animal: Dairy Manual
March 2020



4-H Facts



The 4-H Symbol: A four leaf clover with an “H” in each leaf.

4-H Colors: Green and White

The 4-H Motto: To make the best better!

The 4-H Pledge:

I Pledge

My Head to clearer thinking

My Heart to greater loyalty

My Hands to larger service

My Health to better living

For my Club,

My Community,

My Country,

and my World.



Mini 4-H Parent's Page



We welcome you and your child to the Mini 4-H program. Mini 4-H is for children in kindergarten, first and second grades during the current 4-H year. Mini 4-H is designed to supplement and introduce Mini 4-H to the Tippecanoe County 4-H program.

As a Mini 4-H parent, your job is to guide your child through the activities. It is suggested that you do not complete the activities for them. Instead, help them, guide them, work with them, and let them do all that they possibly can. Learning by doing is the best educational tool that we can provide for our youth.

Additionally, the Mini 4-H program is set up to allow your child to exhibit a project at the 4-H Fair. This project is based on information within this manual. The 4-H Fair is an exciting time for 4-H members and families. It is a week that allows community youth to showcase their talents, interests and enthusiasm for learning.

Mini 4-H is fun! Your child will certainly enjoy it. You can have fun too, by guiding and helping as your child participates in the program. Encourage and praise your child as he/she has fun learning and sharing with you.

Knowledge for Every Grade Level

Dairy cows give us most of the milk that we drink. This milk also is used to make many other food items, such as cheese, ice cream, butter, cottage cheese and yogurt. These foods are important for the calcium they contain. Calcium helps us build strong bones and teeth.

Cows are milked twice a day. The dairy farmer uses milking machines for milking. The machines take the milk from the udder and put the milk into a tank. A truck picks up the milk from the farm and takes it to the dairy for pasteurization.

A young dairy cow is called a heifer. After she has had a calf, she can be milked and is called a cow. A male is called a bull. A group of dairy cows is called a herd.

Most major dairy breeds are descended from Northern Europe. There are five major breeds raised by farmers in the United States. These breeds are Jersey, Guernsey, Holstein-Friesian, Ayrshire and Brown Swiss.

Kindergarten

Each Mini 4-Her to complete the project will complete the dairy cows activity, read (or have an adult read) one book about dairy cows and answer the questions below and complete and exhibit the What Do Dairy Cows Give Us? activity.

Book

Read (or have an adult read) 1 book about dairy cows and answer the questions below.

1. What book did you read?

2. What did you learn from the book?

3. What was your favorite part of the book?

Dairy Cows

1. Print page 3 of the dairy packet at this link:
http://counties.agrilife.org/comal/files/2011/08/frommootomilkandmore_8.pdf
2. Have an adult read the page to you.
3. With an adult discuss and answer the questions.
4. Attach the page to this manual

What Do Dairy Cows Give Us?

Needed Materials:

- 12x12 poster board or 12x12 scrapbook paper
- Pictures
- Glue
- Pencil
- Any other embellishments you would like

Directions:

1. With an adult, discuss all the different food items you enjoy that are made entirely or in part with a dairy product. Try to see how many you can come up with. For example, if you love cheese pizza, you could include this cheese is a dairy product.
2. Then find pictures of the foods you discussed and cut them out. If you cannot find a picture, you may draw one.
3. Label your poster board with the title What Do Dairy Cows Give Us?.
4. Neatly attach each picture to the poster board.
5. Label each picture.
6. Embellish your poster board if you like.
7. Make sure that your work is neat and readable.

1st Grade

Each Mini 4-Her to complete the project will complete the dairy breeds activity, read (or have an adult read) one book about dairy cows and answer the questions below and complete and exhibit the farm diorama activity.

Book

Read (or have an adult read) 1 book about beef cattle and answer the questions below.

1. What book did you read?

2. What did you learn from the book?

3. What was your favorite part of the book?

Dairy Breeds

Read the Moo News at the following link. https://naitc-api.usu.edu/media/uploads/2018/03/27/Moos_News_Classifieds_Page.pdf

Then print the worksheet from the link below, complete it and attach it to your manual. https://naitc-api.usu.edu/media/uploads/2015/06/01/Moos_News_Worksheet.pdf

If you get stuck, you can find the answers here: https://naitc-api.usu.edu/media/uploads/2015/06/01/Moos_News_Worksheet_Key.pdf

Dairy Farm Diorama

Needed Materials:

- Shoe box (Those with attached lids work very well, but not necessary.)
- Miniature cows (Dollar Tree often carries them. You can also make your own with clay or paper.)
- Any farm related items (rocks, grass, fencing) to make your farm surroundings
- Construction Paper/Computer Paper
- Markers or Water Based Paint (optional)
- Paint Brush (optional)
- Glue/Clay

Directions:

1. Trace the bottom of your box on a piece of paper. Trace the side of your box on a piece of paper. Cut the pieces out.
2. Color, paint, or draw a background for your farm on the papers. Glue the pieces to the inside of your box.
3. Draw or make animals for your farm.
4. Arrange the animals how you want them in your box.
5. Add ponds, barns, or other items. Be creative!

2nd Grade

Each Mini 4-Her to complete the project will complete the read (or have an adult read) two books about dairy cows and answer the questions below, complete the dairy cow anatomy activity and complete and exhibit the farmer activity.

Book 1

Read (or have an adult read) a book about dairy cows and answer the questions below.

1. What book did you read?

2. What did you learn from the book?

3. What was your favorite part of the book?

Book 2

Read (or have an adult read) a second book about dairy cows and answer the questions below.

1. What book did you read?

2. What did you learn from the book?

3. What was your favorite part of the book?

Dairy Cow Anatomy

Visit the website below to study dairy cow anatomy. When you are ready, click next button on the screen. On the next page click play button and complete the activity. Before you close out of the website print a copy of your work and attach it to this manual.

http://geauga4h.org/dairy/dairy_body_ipad.htm

Farmer Activity

Interview a dairy farmer, preferably at their farm. Ask them the questions below and any others you would like. Share what you learned by either making a scrapbook page, writing a story, or any other creative means you choose. Be sure to make sure the information you learned from the farmer is conveyed and that your project is no bigger than 12X12.

1. Why did you choose to become a dairy farmer?
2. How long have you been a dairy farmer?
3. How many head do you raise?
4. What do you feed the dairy cows?

Record Sheet

Name _____ Grade _____

Why did you choose this project? _____

How much time did you spend on this project? _____

Who helped you with your project? _____

What is the most important thing you learned in this project? _____
