



# Dairy Activity Sheet - 2022

## Level 3 - Grades 9-12

### Due June 30 to the Extension Office



**\$1.00**

#### What you will do in this project:

- Enroll in the 4-H program by January 15.
- Complete a minimum of 2 activities on this Dairy Activity Sheet and turn it into the Extension Office **by the last business day of June, June 30** or earlier. This activity sheet consists of activities, and record sheet.
- Attend County 4-H Dairy workshops when offered.
- Recommend that the 4-H family purchase and review the project resource manual.
- Refer to the Allen County 4-H Rules Book for a complete listing of all regulations concerning this project.
- To show heifers or cows at the County Fair or Indiana State Fair identify animals in Indiana 4honline by May 15.
- To show heifers or cows at the County Fair level complete FairEntry online by the June 20, 2022 deadline.
- All Dairy Cattle shown at the Allen County Fair and the Indiana State Fair must have an 840 RFID tag.
- To exhibit beef cattle, dairy cattle, swine, sheep, meat goats, dairy goats, poultry and rabbits, 4-H members must be certified through the Youth for the Quality Care of Animals program. This is an annual program that can be completed via online modules or in-person trainings. For more information about in-person trainings in your county, please contact your County Extension Office. More information about YQCA is available at <http://yqca.org/>. **Attach a copy of YQCA card.**

#### Management Tips:

- Each dairy farm has their own methods of feeding and raising the cattle, make sure you follow carefully the methods and practices of that farm.
- Make sure the cattle are feed twice daily according to their growth rate and condition.
- Provide clean, fresh water to cattle at all times.
- Provide hay for roughage.
- Check daily for sickness, unusual things, or change in behavior.
- If out in pasture, provide protection from adverse weather conditions.
- Make sure pens are well cleaned and bedded at all times.
- Practice washing and brushing cattle before the fair for a soft and shiny coat of hair.
- Clip your show cattle far enough in advance of the fair to give time for the hair to grow back. Full body clipping is usually done 30 to 60 days before the fair.
- Exercise cattle daily in the coolness of the morning and evening, not in the heat of the day to avoid stressing your cattle.
- Practice posing your heifers and cows correctly. Practice leading your cattle with you walking backwards. Walking forward may also be used. Remember to walk slowly.

4-H Member: \_\_\_\_\_ 4-H Club: \_\_\_\_\_

Grade in School (January 1, 2022) \_\_\_\_\_ Years in this project \_\_\_\_\_

Signature of 4-H Member verifying that you have completed these activities:

\_\_\_\_\_

Signature of Parent that you have reviewed this information:

\_\_\_\_\_

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## 4-H Animal Care:

The Indiana 4-H program strongly supports positive animal care and strongly opposes animal abuse. 4-H is also dedicated to the mission of developing youth and volunteers through "Learning by Doing" programs. 4-H livestock projects teach life skills such as acquiring knowledge, making decisions, and applying leadership skills.

- When working and caring for animals, it is important to insure that appropriate safety measures are in place for both the animals and the persons who care for them. Therefore, there is no substitute for knowledge, common sense, and experience.
- Animal handlers should study and learn to anticipate an animal's reaction and try and avoid problem situations. It is most important that 4-H members understand an animal's behavior so one can "outsmart" not "out-muscle" an animal. Foremost in the 4-H'ers mind should always be safety of the handler and the animal. Moving animals is more of an art than a science. Movement of animals requires planning and knowledge to accomplish it with the least amount of time, effort and stress to the animal.
- An animal's good health is often directly related to the environmental factors associated with its living space. The presence of predators, dust, odors, pests, temperature, and humidity has a direct effect on an animal's well-being.
- Animals react favorably to daily care and comfortable housing. Consideration should also be given to specific animal needs such as size of their housing space, lighting, and ventilation. The best facilities and equipment cannot and should not be a substitute for daily observation and careful attention to signs of illness, injury, and/or unusual behavior.
- Frequent consultation with your veterinarian is a must. Reasonable attention must always be given to the use of drugs and their approved withdrawal times.



## Proper Administration & Handling of Medications

As a 4-H member you need to be aware of the things you can do with your own animal to promote animal well-being. The image of the agricultural industry and 4-H is affected by the decisions you make and the actions you take in the care of your animal. This needs to be practiced on your farm, at county fairs, and at any show.

Animal health is a big issue in today's society. Many people watch over events to make sure the animals are being treated well. This is not just in the handling of the animal, but also in the administering of medications.

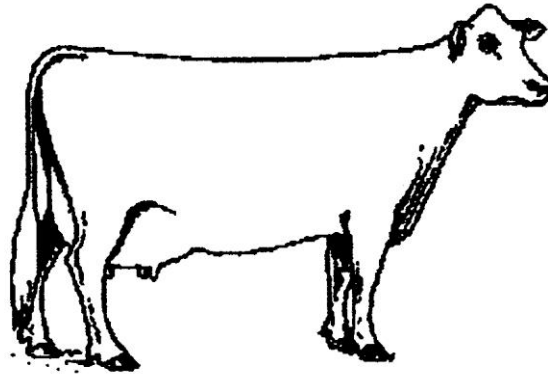
*Answers may be found in Chapter 13 of the OSU Dairy Resource Handbook*

### Administering medications

1. There are basically four routes to administer medications. List the four ways:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

2. When injecting medications, you need to show on the drawing below the correct site and the incorrect site for administrating.



3. Explain the following:  
 Subcutaneous injections \_\_\_\_\_  
 Intramuscular injections \_\_\_\_\_  
 Intravenous injections \_\_\_\_\_

***Name of Drug*** \_\_\_\_\_ **OMNIBIOTIC**

(Hydrocillin) ***Active Ingredient*** \_\_\_\_\_

**Directions for use: See package insert.**

***Cautions and Warnings***

**Warning:** The use of this drug must be discontinued for 30 days before treated animals are slaughtered for food. Exceeding the highest recommended dosage level may result in antibiotic residues in meat or milk beyond the withdrawal time.

***Withholding Times*** \_\_\_\_\_

**Store between 2° and 8° C (36° and 46° F)** \_\_\_\_\_  
**Keep dry and away from light.**

***Storage*** \_\_\_\_\_

***Quantity of Contents*** \_\_\_\_\_

Net Contents: 100 mL  
 Distributed by

**USA Animal Health, Inc.**

***Name of Distributor*** \_\_\_\_\_

***Lot Number*** \_\_\_\_\_

EQ771-3

***Expiration Date*** \_\_\_\_\_

2/11/2005

4. Caution and warnings on the medication bottles tell us to be cautious when using the product. Storage requirements are also on the medication bottles. Tell why this information is important.

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5. Some medications have withholding/withdrawal times listed on the bottles. What is meant by withholding/withdrawal time? Why is it important to follow this information very closely?

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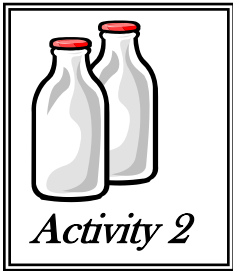
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6. What information needs to be recorded when an animal is given any medication?

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## Showing, Showmanship & Judging

Resource: OSU Dairy Resource Handbook Chapter 13 & 15

Hours of practice and studying has come to an end. It is now show time. Think back and remember what you have practiced. The time has come for you to present your animal. Ask yourself **why** have you chosen to show an animal?

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A judge asks you a question about your animal (example – tell the best qualities of your animal), how would you answer the judge?

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Proper training of your animal for the show ring with long hours gives you and your animal

\_\_\_\_\_ and this is the only way to \_\_\_\_\_

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List the six pillars of character. Explain why you think they would help make a good showman?

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\_\_\_\_\_

List the major traits that a judge looks for in your animal. \_\_\_\_\_

\_\_\_\_\_

You are in the show ring and you want to give the best impression to the judge of your animal, explain how you would show the judge your heifer \_\_\_\_\_

\_\_\_\_\_

And how would you show your cow to the judge \_\_\_\_\_

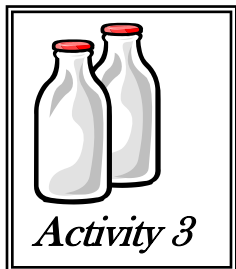
\_\_\_\_\_

Judging your own animal and other members animals does several things. What might some of these items be? \_\_\_\_\_

\_\_\_\_\_

You may practice your showing and judging on your own farm, at open shows, county fairs. These items you have learned and practiced go on with you in other events also. Just remember to practice these life skills and you will go far in any event or situation.

## Parts of the Dairy Animal

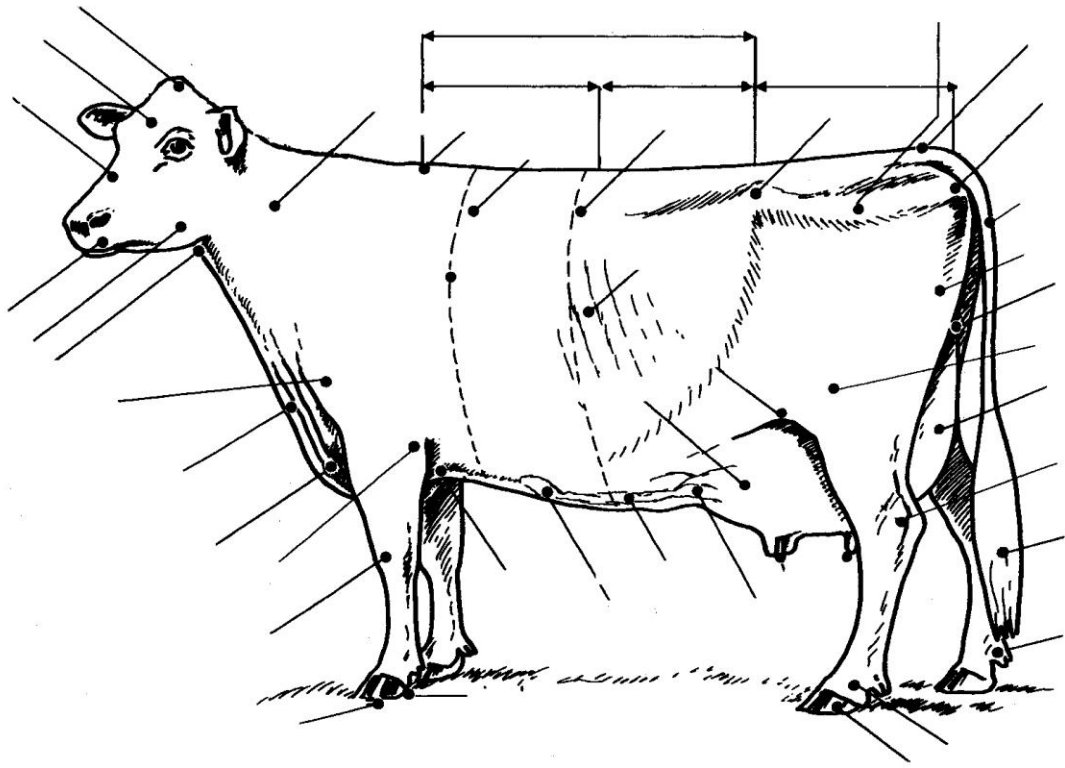


Knowing the parts of your animal will help you become successful in \_\_\_\_\_ and \_\_\_\_\_ your dairy cattle. Knowing the names and locations of the animal's body will help you know what to look for and accurately describe what you see.

*Answers may be found in Chapter 2 in OSU Dairy Resource handbook*

**Label the following parts of a dairy cow.**

Chest floor	Milk wells	Fore udder attachment	Ribs
Dewlap	Brisket	Rear udder attachment	Neck
Poll	Muzzle	Point of shoulder	Stifle
Milk veins	Withers	Heart girth	Declaw
Hips	Back	Tailhead	Pastern
Hock	Fore udder	Pin bones	Switch
Teats	Crops	Point of elbow	Flank
Thigh	Tail	Rear udder	Thurl
Chine	Loin	Barrel	Sole
Jaw	Throat	Knee	Hoof
Forehead	Rump	Bridge of nose	Heel



With whom might you share the knowledge of knowing the parts of your animal:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

# *ALLEN COUNTY 4-H LIVESTOCK RECORD*



*Records serve as a way to measure your own success with a project. When answering these questions, you should be able to see where improvements can be made for next year and if you wish to continue with this project for another year.*

## **For this Project Record:**

Why did you choose to raise and care for these animals this year?

How many animals did you manage during the past 12 months? \_\_\_\_\_

How many were market animals? \_\_\_\_\_

How many were breeding animals? \_\_\_\_\_

How many animals did you purchase or add during the past 12 months? \_\_\_\_\_

Did you purchase these animals alone or in partnership with someone else? \_\_\_\_\_

If you did purchase animals, why and how did you determine which animals to buy?

Did you sell any of your animals during the past 12 months? \_\_\_\_\_

If yes, how did you find a buyer for your animals?

Describe improvements you made to your animal's housing during the past 12 months.

(Include equipment, buildings, land, etc...)

List two new things that you learned about your project animals or the breed that you did not know before.

1.

2.

Where did you go to find more information about the care of your animals?

What health practices did you use with your animals the past 12 months?

In regards to raising these animals, what is one thing you will do differently the next 12 months that you did not do this past 12 months?

Premise ID Number where cattle are coming from \_\_\_\_\_

\_\_\_\_ Completed 4honline enrollment by January 15, 2022

\_\_\_\_ Completed Animal ID in 4honline by May 15, 2022

\_\_\_\_ Completed Fair Entry on line by June 20, 2022

\_\_\_\_ Copy of YQCA card attached