

# ***BEEF & DAIRY BEEF*** Circle one or both

***Activity Sheet - 2020 Level 3 - Grades 9 and up***

***Due June 30 to the Extension Office***



**Allen County 4-H Skills  
for Life**

**\$1.00**

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

- Enroll in the 4-H program by January 15.
- Complete the project by completing this activity sheet in full and turn it into the Extension Office **by June 30** or earlier. This activity sheet consists of activities, and a record sheet.
- Recommend that you attend County 4-H Beef & Dairy Beef 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 Market Beef steers, Commercial Beef heifers and Dairy Beef steers born before January 1 – bring animals to February Weigh-In and identify animals in Indiana 4honline by deadline.
- To show Registered Beef Heifers - identify animals in 4honline by May 15. You will need RFID and Tattoo #/Registration papers.
- To show DAIRY BEEF feeder calves born after January 1, bring animals to April Weigh-In and identify animals in Indiana 4honline by deadline.
- To show Beef Feeder calves or Beef Junior heifers born after January 1 current year, call the Extension Office prior to May 15 to receive an assigned tag number. Identify animal in Indiana 4honline by deadline. Note - Beef Committee will come to your farm to tag this animal with the assigned RFID and County tags by June 1st.
- Complete FairEntry online by published deadline.
- 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/>.

- Please attach a copy of your YQCA certificate to these sheets.
- In 2020 to exhibit Beef Cattle or Dairy Beef Cattle at the Indiana State Fair you MUST submit DNA hair samples by April 1 (Beef & Dairy Beef Market Steers) or May 15 (Commercial Heifers, Registered Heifers and Dairy Beef

## **Management Tips:**

- Provide clean, fresh water to cattle at all times. A calf will drink about 8% of its body weight a day in cold weather and up to 19% a day in hot weather.
- Feed steers about 2.5 pounds dry feed for every 100 pounds of body weight each day.
- Feed twice daily so you can see how much the animals really eat.
- Feed growing cattle about 12-16% crude protein in their diet depending on weight and growth rate.
- Check daily (or twice a day) for injuries, sickness, unusual things or changes in behavior.
- Provide shade from the sun and protection from wind, snow and rain.
- De-worm and treat animals for external parasites.
- Replace bedding often if cattle are stalled.
- Rinse cattle to clean hair and make it grow better.
- Brush cattle to calm them and clean and train their hair.
- Exercise tied cattle daily, or let them loose in the evening.
- To finalize preparation for showing, train animals at least three times a week for one month prior to the show.

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

Grade in School (January 1, 2020) \_\_\_\_\_ 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:

\_\_\_\_\_

**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, to the 4-H'er 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.

**Answers to these questions can be found in the OSU Beef Resource Handbook.**

**KNOW YOUR FEED**

Listed below are feed ingredients for Beef. List what feed group each of the ingredients would fit into. Choose between:

"E" Energy Nutrient Group                      "M" Mineral Nutrient Group                      "P" Protein Nutrient Group

| <u>Ingredient</u>          | <u>Group</u> |
|----------------------------|--------------|
| Whole Grain Oats           | _____        |
| Cracked Corn               | _____        |
| Soybean Meal               | _____        |
| Trace Mineral Salt         | _____        |
| Steam Rolled Oats          | _____        |
| Corn Gluten Feed           | _____        |
| Dry Molasses               | _____        |
| Dicalcium Phosphate        | _____        |
| Ground Corn                | _____        |
| White Salt                 | _____        |
| Soybean Hulls              | _____        |
| Distillers Grain           | _____        |
| Cottonseed Meal            | _____        |
| Dehydrated Alfalfa Pellets | _____        |

1. What are the four influences that affect the value of market animals?

A. \_\_\_\_\_ C. \_\_\_\_\_

B. \_\_\_\_\_ D. \_\_\_\_\_

There are different types of markets for livestock. List the eight types explained in the Beef Resource Handbook (4-H 117R).

1. \_\_\_\_\_ 5. \_\_\_\_\_

2. \_\_\_\_\_ 6. \_\_\_\_\_

3. \_\_\_\_\_ 7. \_\_\_\_\_

4. \_\_\_\_\_ 8. \_\_\_\_\_

2. Show cattle sent to market can sometimes be a dark cutter, which is caused by long-term stress. List three ways you would minimize dark cutting incidence.

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3. Keeping a safe food supply is important. Not all medications pose a potential residue problem. The \_\_\_\_\_ time listed on labels tells you when to remove medication to prevent illegal residues.

4. Explain what "extra label drug use" means.

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5. Intramuscular (IM) injections and subcutaneous (SQ) injections in cattle should be given in the \_\_\_\_\_ ahead of the slope of the \_\_\_\_\_.

6. A 1000 pound beef animal will produce about \_\_\_\_\_ pounds of manure per day.

# 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 decide 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 On Line 4-H Enrollment by January 15, 2020

\_\_\_\_\_ Completed Animal ID in 4HOnline by April 1, 2020 for All Market Steers (Beef and Dairy Beef) & Commercial (Crossbred) Heifers

\_\_\_\_\_ Completed Animal ID in 4HOnline by May 15, 2020 Registered Heifers & Dairy Beef Feeder Calves, Beef Junior Heifers, Beef Feeder Calves

\_\_\_\_\_ Completed Fair Entry on line by June 30, 2020

\_\_\_\_\_ Attach a copy of you YQCA card

For State Fair

\_\_\_\_\_ DNA envelope submitted to Extension Office by deadline.