

2022 Beef Livestock Evaluation Study Guide

The Logan County 4-H Livestock Evaluation will take place on Tuesday, June 14, from 2:00pm to 7:00pm at the Logan County Fairgrounds. You will have the opportunity to schedule a 15-minute window for each project.

All beef exhibitors should bring their completed Beef Project Record Book (117).

Age divisions for Livestock Evaluation are as follows: (Your age as of January 1, 2022): Juniors 8-10, Intermediates 11-13, and Seniors 14-18.

This study guide describes each station that will be included in the Beef Livestock Evaluation. The Beef Livestock Evaluation is for all youth exhibiting beef animals including Beef Breeding, Dairy Steers, Beef Feeder Calves, Dairy Feeders, Beef Steers and Market Heifers.

Station #1 Project Record Book

Present your completed Livestock Project Record Book to the judge. The judge will review your record and award points for completion.

Station #2 Interview Station

You will be asked 5 questions by an interview judge. They will be relevant to a project you are taking for this species.

Sample interview questions are included with this study guide. All questions are based on the Beef Resource Handbook (117R).

Station #3 Breed ID

Juniors: You will be asked to identify 4 different breeds of beef cattle which can be found on page 2-4 of your Beef Resource Handbook.

Intermediates: You will be asked to identify 8 different breeds of beef cattle which can be found on page 2-4 of your Beef Resource Handbook.

Seniors: You will be asked to identify 12 different breeds of beef cattle which can be found on page 2-4 of your Beef Resource Handbook.



Beef and Dairy Feeder Study Guide Sample Questions

Beef/ Beef Breeding Projects

Junior:

1. What do the 4 H's in the 4-H pledge stand for?
2. Steers/heifers are ruminant animals, meaning they have 4 compartments. Name these.
3. Name the 2 "High Priced Cuts".
4. Name 3 quality grades of carcass beef.
5. Name 4 wholesale cuts of beef.

Intermediate: (Plus all of the above)

1. What causes shipping fever, and what are 2 symptoms?
2. When we talk about "disposition" in cattle, what does this mean?
3. What is the meaning of withdrawal time of a drug?
4. What is meant by "SubQ" injection?
5. What is meant by "IM" injection?
6. Name 3 methods of identifying your calves.
7. Name 3 ingredients in a typical steer ration.

Seniors: (Plus all of the above)

1. If the medication label direction permits subcutaneous injection or intramuscular injection, which would you use and why?
2. Name 3 parts of a calf's foot and leg.
3. Cows should be maintained at what body condition score?
4. When evaluating feeder calves, which is more desirable, an "M-1" or an "S-4"? Why?
5. What is meant by "IV" injection?

Dairy Feeders /Dairy Steer Projects

Juniors:

1. How soon after birth does a calf need colostrum and why?
2. If your dairy feeder is on a self or automatic waterer at home, what should you do 2 weeks before the fair?
3. Steers/heifers are ruminant animals, meaning they have 4 compartments. Name these.
4. Name 2 diseases common to young calves?
5. Name 3 methods of identifying your calves.

Intermediates: (Plus all of the above)

1. Bloat is a common ailment in cattle. What is the most often cause of bloat and what are 2 ways you can treat it?
2. Dehorning, castration and weaning are stress points during a calf's life. What do they mean when they say "spread out" these stress points and why?
3. What are two different ways to feed your dairy beef feeder from the time of weaning to market?
4. What is the meaning of withdrawal time of a drug?
5. What is meant by "SubQ" injection?
6. What is meant by "IM" injection?
7. What are 2 common "energy" foods in a calf's ration?
8. What is Navel Ill and what causes it?

Seniors (Plus all the above):

1. What is the most common "protein feed" in a dairy feeder's ration?
2. Name the first and largest compartment of the beef animal's digestive tract. It is the site of most fermentation digestion.
3. What is meant by "IV" injection?
4. Name 3 parts of a calf's foot and leg.