

2020 Dairy Livestock Evaluation Study Guide

The Logan County 4-H Livestock Evaluation will take place on Tuesday, June 23, at 2:00pm to 7:00pm on the Logan County Fairgrounds. You will have the opportunity to schedule a 10-minute window for each project.

All dairy cattle exhibitors should bring their completed Dairy Heifer or Dairy Cow Project Record Book (122 & 126).

Age divisions for Livestock Evaluation are as follows: (Your age as of January 1, 2020): Juniors 8-10, Intermediates 11-13, and Seniors 14-18.

This study guide describes each station that will be included in the Dairy Livestock Evaluation. The Dairy Livestock Evaluation is for all youth exhibiting dairy animals including Dairy Heifers and Dairy Cows.

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.

Sample interview questions are included with this study guide. All questions are based on the Dairy Resource Handbook (127R).

Station #3 Parts of the Animal

Juniors: You will be asked to identify 15 different parts of a cow which can be found on page 22 of your Dairy Resource Handbook.

Intermediates: You will be asked to identify 25 different parts of a cow which can be found on page 22 of your Dairy Resource Handbook.

Seniors: You will be asked to identify 35 different parts of a cow which can be found on page 22 of your Dairy Resource Handbook.



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Sample Questions for Dairy Interview Station

Juniors:

1. Which breed of dairy cattle originated in Scotland?
2. Which two breeds of dairy cattle originated on islands near the coast of France?
3. Which breed of dairy cattle originated in the Netherlands?
4. Which breed of dairy cattle originated in Switzerland?
5. What is a cow's blind spot, and where is it located?
6. Why is colostrum necessary for a newborn calf?
7. Which compartment of a cow is the largest, and serves as a fermentation vat?
8. What are the 6 essential nutrients for dairy cattle?
9. What is the most important nutrient for cows?
10. Name 3 important minerals necessary in a cow's diet.
11. Name 3 vitamins necessary in a cow's diet.
12. When can small amounts of hay be added to a calf's diet?
13. How many compartments are there in a cow's stomach?
14. Name 2 external parasites common to cows and calves.
15. What is the cow's milk producing gland called?
16. Why should milk be pasteurized?
17. Name 3 processed foods made from milk.
18. What is a withdrawal time?
19. What is the correct intramuscular injection site for all cattle?

Intermediates: (Plus all of the above)

1. What is a "pedigree"?
2. What does DHIA stand for?
3. How many days are in a cow's estrus cycle?
4. How long is a cow's gestation period?
5. What is the primary sign that a cow is in heat (estrus)?
6. What is inbreeding?
7. What is crossbreeding?
8. What is the second compartment of a cow's stomach, and the site of "hardware disease"?
9. Which compartment of a cow's stomach is the "true stomach"?
10. What is forage?
11. By what age should a heifer give birth to her first calf?
12. What hormone carries the stimulation for milk let-down?
13. What is mastitis?
14. Why is teat dipping after milking important?
15. What is meant by homogenized milk?
16. Name 3 nutrients that milk provides in a person's diet.

Seniors: (Plus all of the above)

1. Why is artificial insemination widely used in dairy herds?
2. Name 3 parts of a cow's reproductive tract.
3. Name 2 hormones that are important in a cow's estrus cycle.
4. Name the 4 compartments of a cow's stomach.
5. When will a cow most likely be in "negative energy balance"?
6. Name 3 diseases that can be problems for cows near calving.