



Dairy Beef 4-H Market Record Book

For ages 13 to 19



Name: _____ Age: _____

Address: _____
Street Town Zip Code

Name of 4-H Club: _____ Years in 4-H: _____

Project Leader: _____ Animal's Name: _____

Years in Dairy Feeder Program: _____ Buyers Name: _____

Record Started: _____ Record Finished: _____

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- ❖ **4-H Record Books are required for all market livestock projects. They must include beginning and ending photos.**
- ❖ **Record Books must be completed and turned in to the Species Chair at the September Livestock Council meeting.**

Why is your record book important? It . . .

- will aid you in learning about all aspects of raising and selling livestock
- helps you set goals for your project
- helps you plan future projects
- shows your financial decisions and outcomes
- overall, will improve your management and organizational skills
- It will be fun to look back at your book years from now... remember, this can be fun when you put all your effort into it!

Suggestions (*practices for good record keeping*)

- Consistently fill in the record book; avoid waiting until the last minute.
- Hang a calendar or note book near your animal's pen to write notes in to help you with your record book.
- Write neatly and clearly.
- Take pictures before, during and after your project is done.
- Complete your Thank You to your buyer soon after the sale.
- Have FUN and work hard!

Resources to help you learn about your project

- ❖ MSU Extension has educational materials you can check out
- ❖ Dairy Resource Handbook and the Beef Resource Handbook are available from Ohio State University at:
<http://estore.osu-extension.org>
- ❖ Clinics and workshops, for example the "Beef, Sheep and Swine" workshop at the 4-H Kettunen Center; cattle judging at 4-H Exploration Days, etc.
- ❖ Beef Learning Lab Kit available from the 4-H Steer Species Chair

4-H/Farm Bureau Livestock Record Book Awards - Instructions

To submit a Record Book for this award, be sure to include the following:

1. Table of Contents
2. Completed Record Book as listed above for the respective species
3. Completed Feed Card (4-H 1277) required only of members in the steer project.
4. 200 word (minimum) story about the 4-H'er's experience with his/her 4-H project
5. Pictures (a couple of pages)
6. Any other information that the 4-H'er can share to personalize his/her learning experience.
7. Specify breed or market. These are to be done separately. For example, a record book Can be submitted for a breed sheep, with a separate book for a market swine.
8. Put all of the information in a nice folder or notebook.
9. Typing the information is not required, but appreciated

Pre-Project Questions / Goals

1. Why did you choose to do a Dairy Beef project this year?

2. List at least 2 goals for your Dairy Beef project this year.

3. If you have done a Dairy Beef project in the past, what are you doing differently with this year's project?

4. Describe how you prepared to bring your Dairy Beef home when you first got it.

5. Was your Dairy Beef shows as a Dairy Feeder last year? _____ Yes _____ No

Project Information

When was your Dairy Beef Project born? _____

Please fill in the following information about your Dairy Beef Project:

Ear Tag Number	Date Purchased	Breed and Color	Gender of calf	Sold/kept/Died	Purchase Price
					\$
					\$

Total spent on your Dairy Beef Project: \$ _____

Ear Tag # for Calf Sold	Date of Starting Weight	Starting Weight	Date of Finished Weight	Finished Weight	Pounds of Gain	# Days on Feed	Average Daily Gain

✓ Average Daily Gain = Total lbs. of gain ÷ days on feed

Monthly Feed Record

Month:	Protein & Mineral Lbs.	Protein & Mineral Cost	Grain Lbs.	Grain Cost	Hay Lbs.	Hay Cost
August						
September						
October						
November						
December						
January						
February						
March						
April						
May						
June						
July						
August						
Totals:						

Total lbs. of feed for the year: _____

Total cost of feed for the year: _____

Expenses Other Than Feed

Month:	Vet Cost	Bedding Costs	Fair Fees	Vaccination Fees	Tack & Show Supplies	4% Livestock Council	Other	Total
August								
September								
October								
November								
December								
January								
February								
March								
April								
May								
June								
July								
August								
Totals:								

*Other Expenses could include housing, wormer, trucking, etc.

Total of expenses other than feed: _____

Income for Project

Auction Date	Weight of Dairy Beef at Fair	Price Per Pound	Total Value (Animal's weight X price per pound)

Financial Summary

Purchase Price of Dairy Beef \$ _____
Total of Feed Cost \$ _____
Other Expenses \$ _____
TOTAL EXPENSE \$ _____

Income from Sale of Dairy Feeder \$ _____
Minus (-) Total Expenses \$ _____
NET PROFIT OR LOSS \$ _____

Comment about the results: _____

Value of your labor: Figure out the labor you have “invested” in your Dairy Beef Project.

- Consider the value of Labor is \$10 per hour
- You spend an average of 1 hour per day on your project

Determine the number of days you have had your Dairy Beef; multiply that by \$10/hr.

The cost of your time: _____

Comment on the cost of your time Invested in the project.

Project Pictures

- Pictures are a required part of this Record Book. Take pictures of your Dairy Beef project throughout the year. They will show how your Dairy Beef project has grown and developed.
- Remember, pictures are better when you are in the picture!
- Add more pictures on a separate piece of paper or in a folder.



Beginning Picture



Ending Picture

Project Knowledge

Answer the following:

1. What is the normal body temperature for cattle? _____

2. What is the current sale price for Dairy Beef cattle and what is the current sale price for a Dairy Heifer? List date and source used to obtain this information. _____

3. What is the sale price of corn? List date and source used to obtain this information. _____

4. Name a breed of Dairy Beef cattle; write a brief description of the breed and tell where the animal originates from. (*Choose a different breed each year*). _____

5. Identify two or three new things you learned for your project this year. _____

6. Name Top three (USDA grade of beef (highest to lowest))
1. _____ 2. _____ 3. _____

7. What is an RFID tag? _____

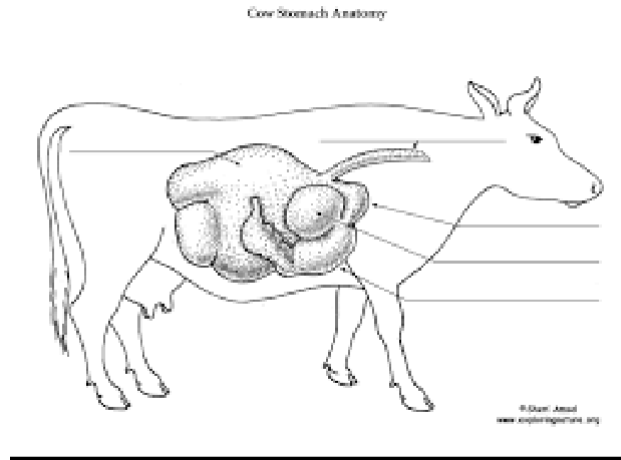
8. What is withdrawal time and why is it important? _____

Match Questions

Match the following definitions to the correct answer; read the directions carefully.

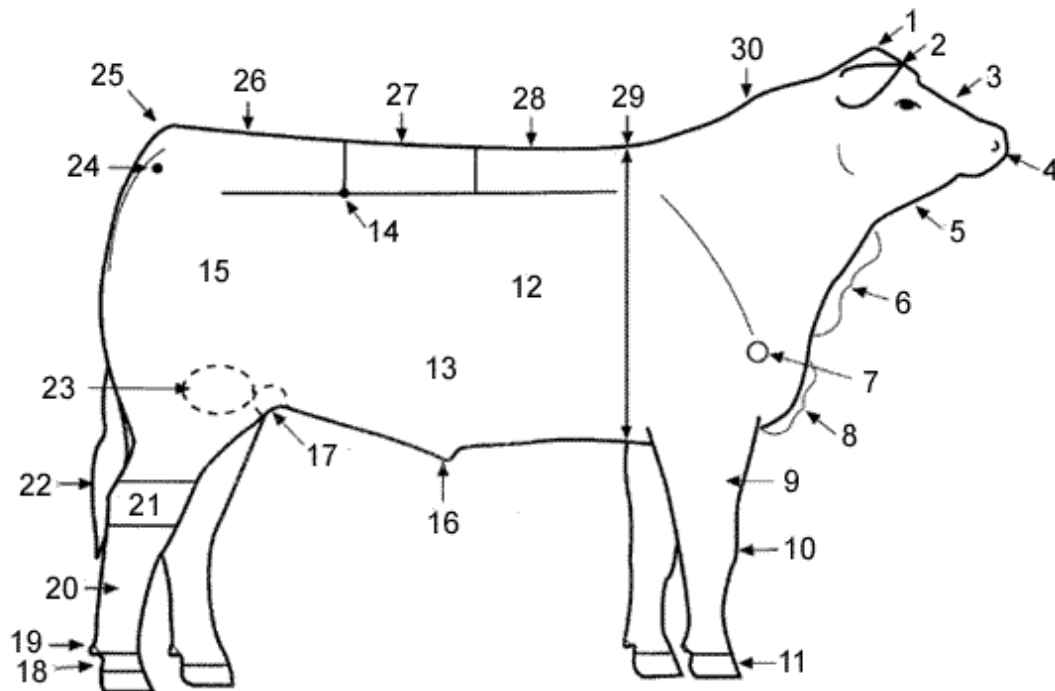
- | | |
|---------------------------|---|
| 1. Pneumonia _____ | A) Gray, crusty scaly patches usually on the face, head and shoulders. |
| 2. Ruminant _____ | B) Watery feces, dehydration, sunken eyes, depression, decreased feed intake, fever, cold to touch. |
| 3. Scours _____ | C) Father of a calf. |
| 4. Sire _____ | D) Abnormal condition in ruminants due to accumulation of gases in the rumen. |
| 5. Steer _____ | E) A castrated male calf. |
| 6. Dam _____ | F) The time period from when a calf is conceived until the calf is born usually 283 days. |
| 7. Bloat _____ | G) Mother of a calf. |
| 8. Heifer _____ | H) Coughing, difficulty breathing, fever, runny eyes and nose. |
| 9. Gestation period _____ | I) A young female that has not given birth. |
| 10. Ring Worm _____ | J) Salt, calcium, phosphorus, magnesium, potassium, sulfur |
| 11. Rumem _____ | K) Any animal that has four stomach compartments |
| 12. Reticulum _____ | L) Second and largest compartment of a cow's stomach |
| 13. Omasum _____ | M) First compartment of a cow's stomach also called the honeycomb |
| 14. Abomasum _____ | N) Third compartment of a cow's stomach that absorbs water from food |
| 15. Trace Minerals _____ | O) Copper, iodine, iron, manganese, selenium, zinc and molybdenum |
| 16. Major Minerals _____ | |

Label the parts of the stomach



Name the Body Parts

9-10 year olds Name 10 parts
11-12 year olds Name 15 Parts
13-14 year olds Name 20 parts
15-19 year olds Name all parts



Post Project Questions

(Please answer all questions)

1. Did you meet your project goals listed in this record book?

2. What was your favorite part of your Dairy Beef project?

3. How did you finance your Dairy Beef project this year?

4. Give a brief description of your Dairy Beef's house and how you decided how much space it would require.

5. Were there any management problems with your Dairy Beef project and how did you deal with them?

6. How did you feed your animal? Explain the rations fed and how you determined what diet was required.

7. What information do your records tell you that you can use to improve future market projects?

8. How did you train and prepare your Dairy Beef project for show?

9. List any benefits or things you have learned from your show ring experiences past or present?

10. List any other club or school activities that you are involved in.

Awards

4-H Showmanship:

Number of exhibitors in class _____

Date ___/___/___

Placing _____

Open Showmanship:

Number of exhibitors in class _____

Date ___/___/___

Placing _____

4-H Market Class:

Number of Dairy Feeders in class _____

Date ___/___/___

Weight class placing _____

Overall auction placing _____

