



# Dairy Beef 4-H Market Record Book

*For ages 13 to 19*



Name: \_\_\_\_\_ Age: \_\_\_\_\_

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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Updated 2018

- ❖ **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.

Updated 2025

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?

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

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

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

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5. Was your Dairy Beef shown 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						

<b>August</b>						
<b>Totals:</b>						

**Total lbs. of feed for the year:** \_\_\_\_\_

**Total cost of feed for the year:** \_\_\_\_\_

## Expenses Other Than Feed

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

\*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	<b>Total Value</b> (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: \_\_\_\_\_

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**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.

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## 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.

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

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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*).

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

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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?

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## Match Questions

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

1. Ruminant

2. Scours

3. Pneumonia

4. Sire

5. Bloat

6. Heifer

7. Dam

8. Steer

9. Gestation Period

10. Ring Worm

11. Rumen

12. Reticulum

13. Omasum

14. Abomasum

15. Minerals

A) First compartment of a cow's stomach also called the honeycomb

B) Mother of a calf

C) A young female that has not given birth

D) Second and largest compartment of a cow's stomach

E) Any animal that has four stomach compartments

F) The time period from when a calf is conceived until the calf is born usually 283 days

G) Father of a calf

H) Abnormal condition in ruminants due to accumulation of gases in the rumen

I) Gray, crusty scaly patches usually on the face, head and shoulders

J) Watery faces, dehydration, sunken eyes, depression, decreased feed intake, fever, cold to touch

K) A castrated male calf

L) Coughing, difficulty breathing, fever, runny eyes and nose

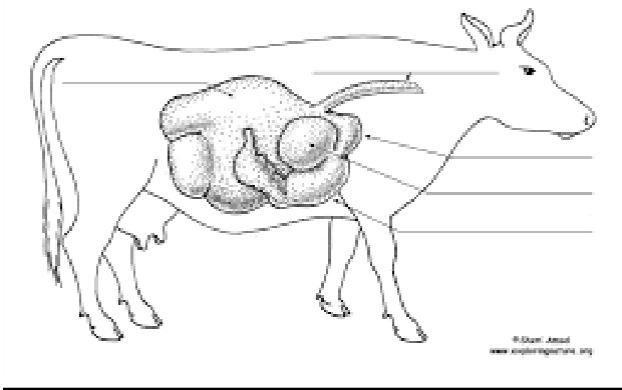
M) Salt, calcium, phosphorus, magnesium, potassium, sulfur

N) Third compartment of a cow's stomach that absorbs water from food

- O) Copper, iodine, iron, manganese, selenium, zinc and molybdenum

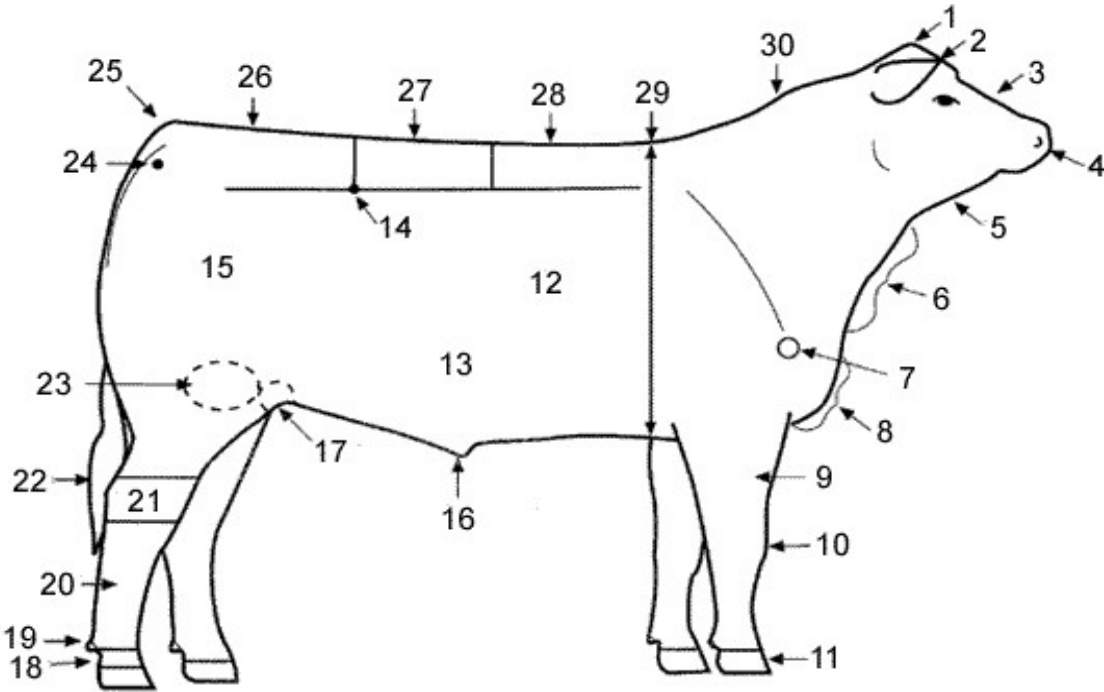
# Label the parts of the stomach

Cow Stomach Anatomy



# Name the Body 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?

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

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

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

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

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

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

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

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

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

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# 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 \_\_\_\_\_