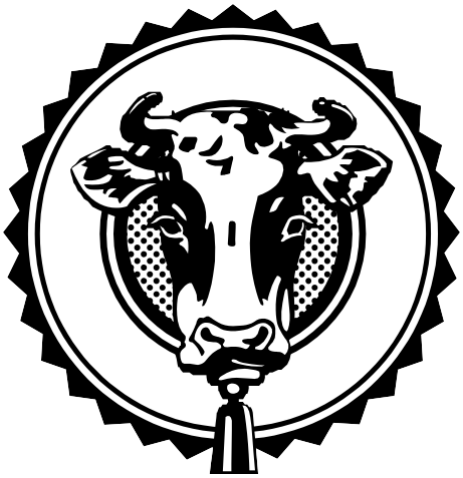
Dairy Feeder 4-H Market Record Book

For ages 8 to 19

UP TO 900 pounds



Name:_____

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

Project Leader Name:_____

Years in Dairy Feeder Program: _____ Buyers Name: _____

Record Started: _____ Record Finished:_____

Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, gender identity, religion, age, height, weight, disability, political beliefs, sexual orientation, marital status, family status or veteran status.

- **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-Her'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 Feeder project this year?

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

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

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

Project Information

When was your Dairy Feeder born? _____

Please fill in the following information about your Dairy Feeder:

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

Dairy Feeder Purchase Price: $ _____

Ear Tag # of 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:	Milk Replacer (lbs.)	Milk Replacer Cost	Grain (lbs.)	Grain Cost	Hay (lbs.)	Hay Cost
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

	Vet Cost	Bedding Cost	Fair Fees (Stall & Classes)	Vaccinations	Tack & Show Supplies	Livestock Council Auction Commission 4% or $400 which ever is less	Other
December							
January							
February							
March							
April							
May							
June							
July							
August							
TOTAL							

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

Total of expenses other than feed: _____

Income for Project

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

Financial Summary

Purchase Price of Dairy Feeder $_____

Total 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 Feeder 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 Feeder; 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 Feeder throughout the year. They will show how your Dairy Feeder 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 feeder 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 cattle; write a brief description of the breed and tell where the animal originates from. (*Choose a different breed each year).*

   _____

   _____

   _____

   _____

5. Identify 2 or three new things you learned for your project this year.

_____

_____

_____

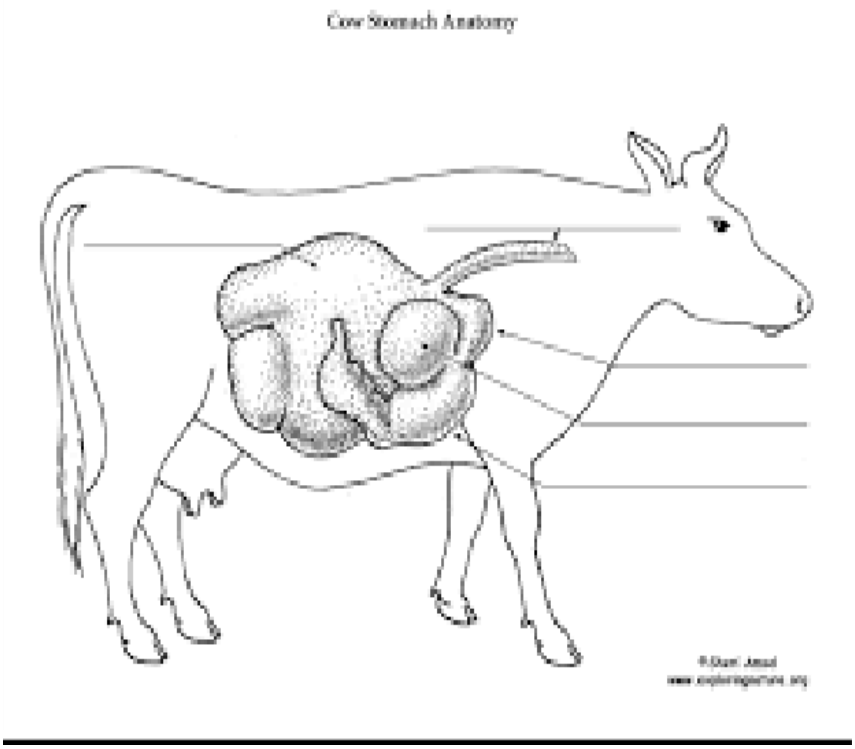
_____

Match Questions

Match the following definitions to the correct answer

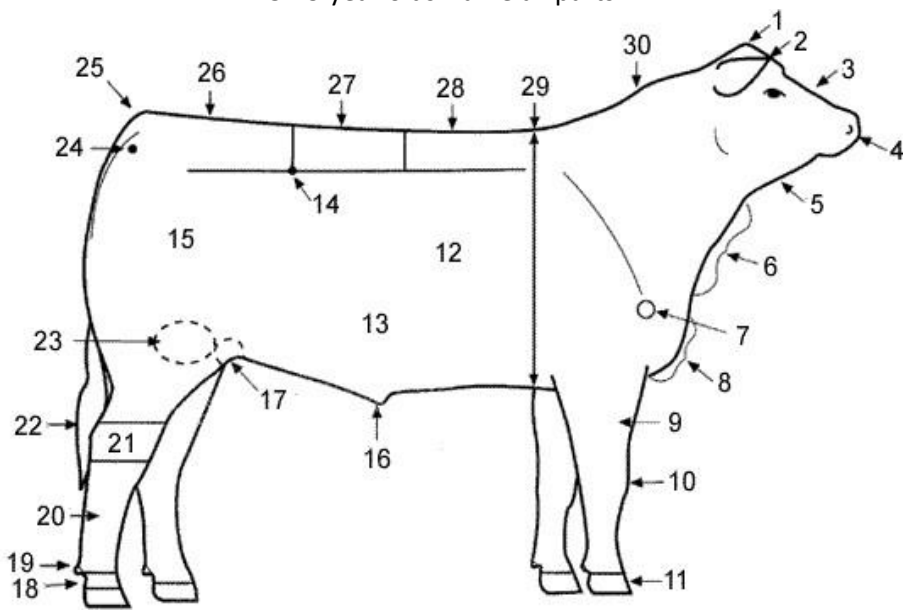
1. Sire _____	A) A young female that has not given birth
2. Scours _____	B) A specially designed head gate to hold an animal in place while allowing feeding and resting
3. Heifer _____	C) An electronic identification device
4. Gestation Period _____	D) Gray, crusty, scaly patches usually on the face, head and shoulder
5. Ring Worm _____	E) Abnormal condition in ruminants due to accumulation of gases in the rumen
6. Dam _____	F) Describing a naturally hornless animal
7. Steer _____	G) Coughing, difficulty breathing, fever, runny eyes and nose
8. Bloat _____	H) The time period from when a calf is conceived until the calf is born usually 283 days
9. Pneumonia _____	I) Watery feces, dehydration, sunken eyes, depression, decreased feed intake, fever, cold to touch
10. Colostrum	J) Usually first 3-4 weeks of life
11. RFID	K) Casting up or regurgitation of cud to be chewed a second time
12. Castration	L) The first milk secreted after calving
13. Rumination	M) The act of belching or casting up gas from the rumen
14. Polled	N) A castrated male calf
15. Eructation	O) Father of a calf
16. Stanchion	P) The removal of a male productive organ
17. Neonatal Period	Q) Mother of a calf

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



1.	11.	21.
2.	12.	22.
3.	13.	23.
4.	14.	24.
5.	15.	25.
6.	16.	26.
7.	17.	27.
8.	18.	28.
9.	19.	29.
10.	20.	30.

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 Feeder project?

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

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

5. Were there any management problems with your Diary Feeder 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 Feeder 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_____

4-H Market Class

Number of Exhibitors in Class _____

Date_____

Placing_____

Overall Market Placing_____

Open Showmanship

Number of Exhibitors in Class _____

Date_____

Placing_____