

Section 2: Project Record



Dairy 4-H



Name

Club

Cornell Cooperative Extension | **Dutchess County**

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**pages modified from Oceana County 4-H in Michigan and Michigan State University Extension with permission.*

PROJECT OBJECTIVES

The purpose of the project is to help 4-H Club members to:

1. Gain an understanding of the work put into the daily care of the dairy cow as well as the preparation required for showing.
2. To develop a sense of responsibility through acts of community service.
3. To make lifelong friends, practice good sportsmanship, develop organizational and planning skills, all while having fun in a safe environment.
4. To enable the youth to become educated enough about the industry to be able to initiate the much needed conversation from farmer to consumer.

REQUIREMENTS

1. Be enrolled in the 4-H Dairy Project and attend club meetings regularly, or engage in an Independent Dairy Project with the 4-H office.
2. Follow the leadership of the project leaders and Extension Staff.
3. Conduct a Dairy project.
4. Complete a County Level Public Presentation, participate in Community Service, and keep an accurate and up to date record book for each area of participation.

Why Keep Records?

- * Members learn more about their project animals- costs, feed, health & management skills.
- * Document activities and progress in the project.
- * Improve management and production practices.
- * Helps plan future projects.

Dairy Project Summary

Have you participated in other dairy activities, fairs, clinics, etc.: ___Yes ___No

If yes, list the activities, shows, fair or related programs attended:

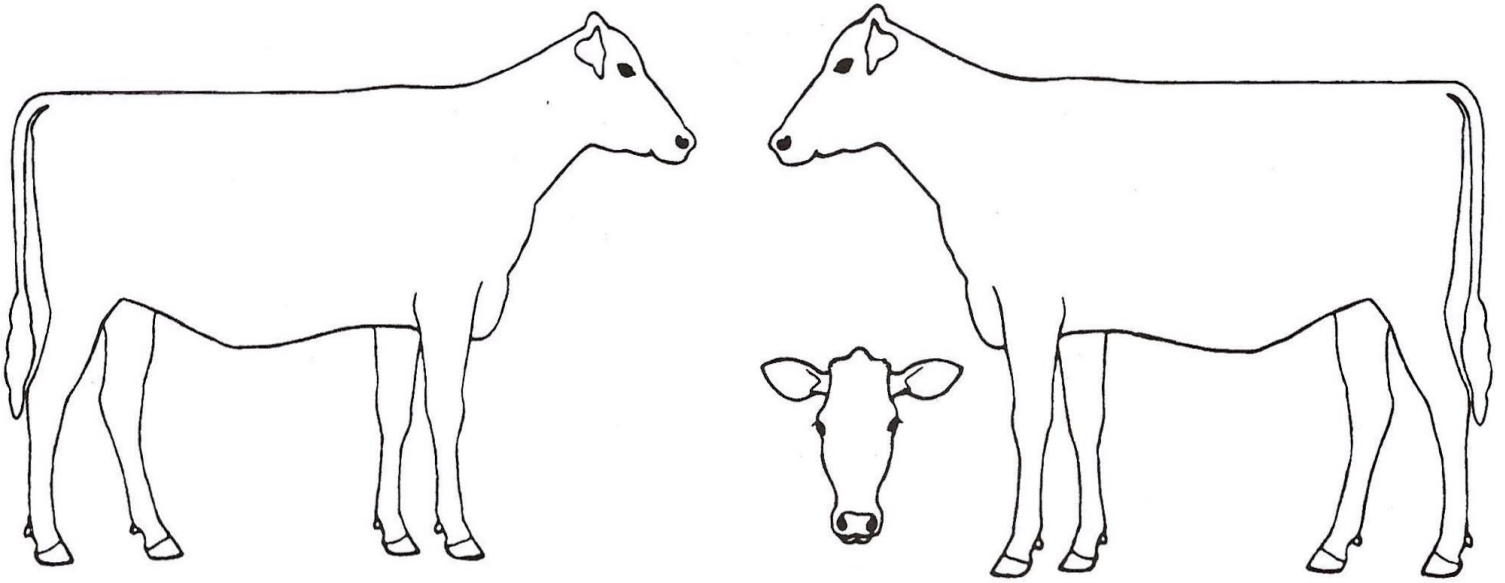
What are your goals for this year's dairy project? _____

Showmanship: (list 1 quality of a good show person)_____

What were 2 ways you helped or taught others this year (4-H is about helping others as well as bettering yourself):

4-H LIFETIME DAIRY CATTLE SUMMARY

IDENTIFICATION: Draw and color the markings on the outline or attach a photo of at least 1 of your 4-H dairy cattle projects.
Answer the questions below using the same project animal.



Primary Strengths or Best Features: _____

Primary Weaknesses or Worse Features: _____

Management Records

Name:	Breed:
Date of Birth or Age:	RFID (required)

♦ How often do you feed/water your project?
♦ What does your animal's feed consist of?
♦ Do you give your animals any supplements? If so what?
♦ What type of bedding do you use for your dairy project?
♦ If your dairy project is milked, what is the milking procedure from beginning to end?
♦ How often do you clean the pen/barn your animal stays in? How do you do this?

Dairy ANIMAL Record of Care

Animal(s) Name/I.D.# _____

*** It will be assumed that you walked & fed your animal, but what additional things have you done such as; washed, clipped, trimmed, foot care, health practices, medicines, halter breaking, training, had vaccinated, etc. ***

[illegible]

Dairy FARM Work Record

Record all of the work you completed **for the farm** that your dairy project is raised on. For example: What are your responsibilities besides taking care of your 4-H dairy animal?

Date(s)	Description of Work Completed	Number of Hours Spent On Task

- If your animal(s) being raised on your own property, please have your parent or guardian sign acknowledging that you provided the care to the animal(s) and completed the dairy work as recorded.
- If you are borrowing an animal from someone else, have the owner sign acknowledging that you provided the care to the animal(s) & completed the dairy farm work as recorded.

I, _____, do attest and certify that this 4-Her cared for this animal
Property Owner's Name-or Parent if raised on own Farm (please print)

in a responsible manner while housed on my property and completed the works/tasks listed above. I also understand that integrity and responsibility are important to the 4-H experience.

**Signature of Property Owner
Or Parent if raised on own Farm**

Date

Records Questionnaire

(Questions refer to the farm or herd where your cow/heifer is regularly housed, ask questions of the farm owner if you do not know the answers).

What breed(s) of cattle does the farm have? _____

How many lactating cows does the farm have? _____

How many dry cows does the farm have? _____

Total number of heifers and calves on the farm? _____

At what age are calves weaned off milk at this farm? _____

Is the herd on a dairy testing program? _____ If yes, which program is it on? _____

MILK MATCHING

- 1) Made by removing fat & water from pasteurized milk _____
- 2) Canned milk that only contains half of the water in regular milk _____
- 3) Milk that has an additive such as chocolate or vanilla _____
- 4) Milk that has 1% fat _____
- 5) Milk that has the highest amount of fat (law requires 3.25%+ _____
- 6) Milk that has been treated to breakdown lactose _____
- 7) Fermented milk with a slightly sour flavor and consistency similar to yogurt _____
- 8) A concentrated canned form of milk with sweetener added _____
- 9) Milk that contains 2% fat _____
- 10) Milk that has less than 0.5% fat _____
- 11) Slightly sour liquid left after butter is churned _____

Answer Bank

- A. Sweetened Condensed
- B. Flavored
- C. Kefir
- D. Lactose Free
- E. Whole Milk
- F. Non-fat Dry Milk
- G. Evaporated Milk
- H. Low-fat Milk
- I. Reduced-fat Milk
- J. Non-fat milk
- K. Buttermilk



SENIORS ONLY- 4-H Age 14+

Dairy Genetics, Judging & Show Ring Ethics

1. Give one example of a disqualifying defect: _____

2. Describe proper udder traits: _____

3. Name two important factors to consider when looking to purchase a genetically sound bull: _____

4. Name one skill you might use in the show ring to show off your animal's strong points and minimize its weak points:

5. Unethical treatment of animals and being a poor sport when competing is not acceptable. List the 6 pillars of character:

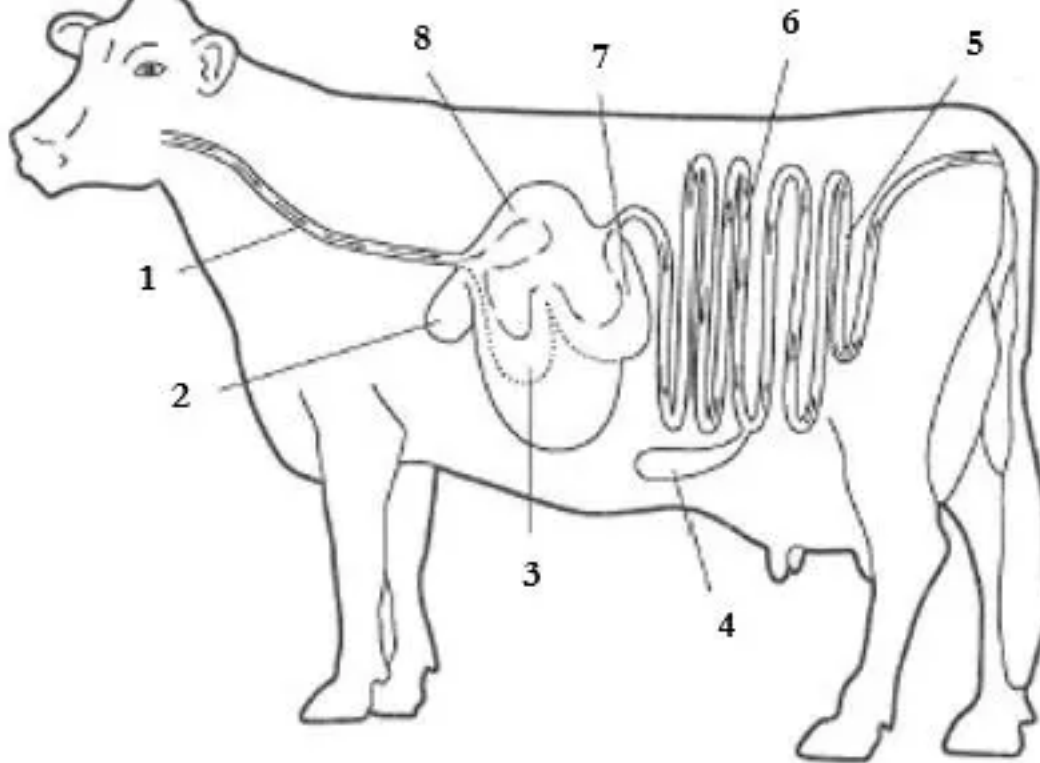
_____, _____,

_____, _____,

_____, _____,

6. What have you seen or heard about that you think was an unethical practice in relationship to showing an animal?

Dairy Cow Digestive System ID



1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

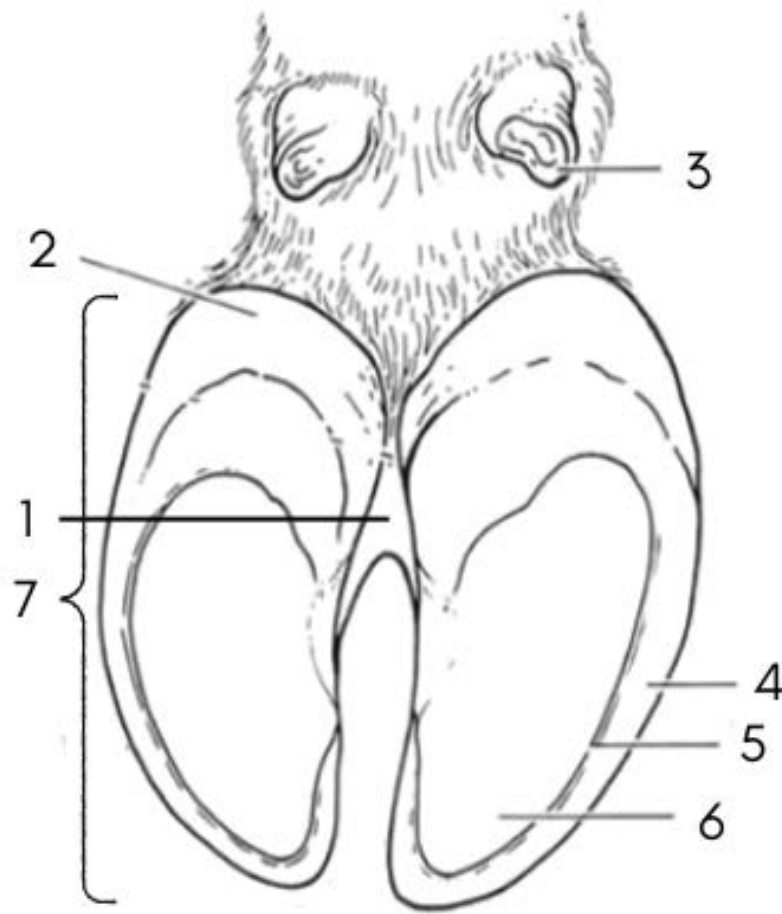
7. _____

8. _____

Word Bank

Rumen
Abomasum
Omasum
Esophagus
Large Intestine
Reticulum
Small Intestine
Cecum

Cow Hoof ID



1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Word Bank

Dew Claw
Bulb of Heel
Interdigital Space
White Line
Sole
Hoof Wall
Claw

MATCH THE DAIRY BREEDS

Match the breed name to the breed photo.

Holstein



Guernsey



Jersey



Brown Swiss



Milking Shorthorn



Ayrshire



Data Source: <https://afs.ca.uky.edu/livestock/dairy/breeds>, University of North Dakota, Michigan State University
Image Credits: holsteinusa.com, usayrshire.com, jerseysites.usjersey.com, brownswissusa.com, usguernsey.com, thecattlesite.com

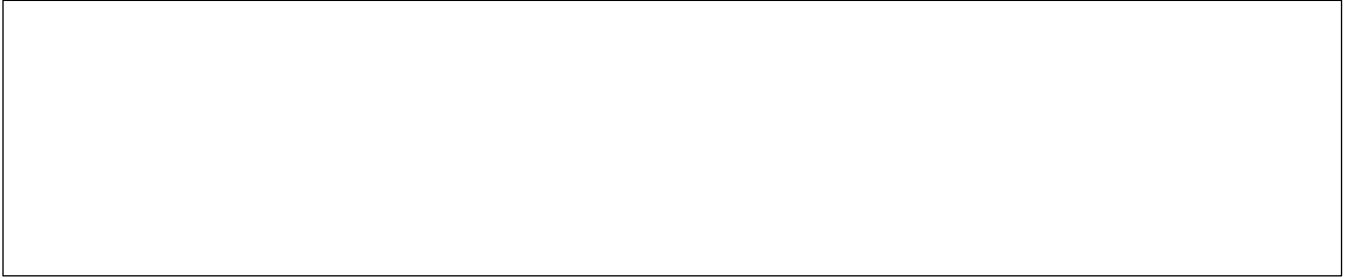
Dairy Project Photos

1. Be creative. The more photos, the better! You are encouraged to be in the photo with your Dairy project animal(s).
 - You should also include the date of your photograph by, or on it.
 - Captions also help the judge understand what the picture represents.

YEAR IN REVIEW

Specific to your project, answer the following questions. Please add drawings, pictures, diagrams or newspaper clippings.

What were your goal(s) for this year?

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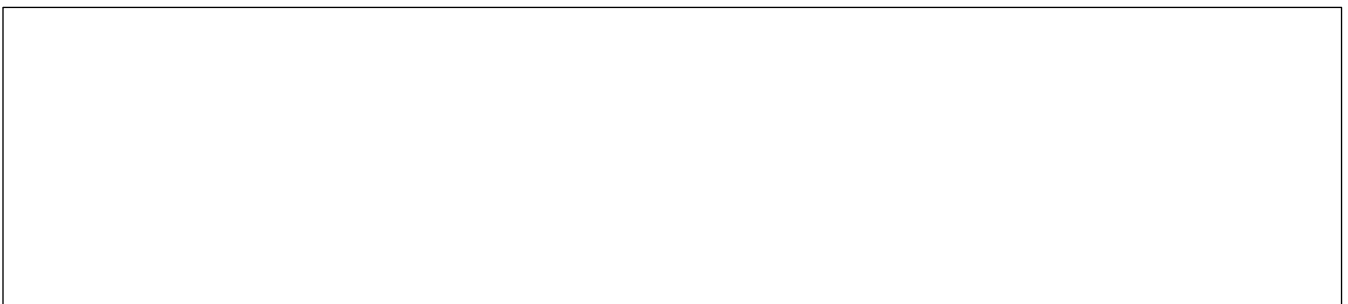
Did you achieve them? Explain why or why not.

A large, empty rectangular box with a thin black border, intended for the user to explain whether they achieved their goals and why or why not.

What was your greatest accomplishment this year?

A large, empty rectangular box with a thin black border, intended for the user to describe their greatest accomplishment of the year.

What do you want to work on or learn about next year?

A large, empty rectangular box with a thin black border, intended for the user to state what they want to work on or learn about in the upcoming year.

Year in Review continued

Use this space to add additional feedback on your project this year.

Summary of Club Meetings attended in the current 4-H Year

This record is of business meetings and educational activities done as a club. It does not include special events such as countywide events, field trips, shows, the fair, etc.

Club Name:

Club Leader(s)

Club meetings attended this year	# Meetings held by Club	# Meetings you attended	% Meetings you attended	# Hours you attended
A minimum of 6 meetings per year is required by all clubs. What percentage attendance is required by your club? %				

Summary and Declaration

Those youth completing all 4-H expectations will be deemed as being in “GOOD STANDING” for the current 4-H year. This is an accomplishment to be proud of and will be rewarded with a Certificate and 4-H Achievement Pin.

Complete the table below to be eligible for this award by checking the box to certify you fulfilled each expectation.

4-H Expectations to complete the 4-H Year in GOOD STANDING	State YES if you completed this
Enrolled in 4-H by May 31 of the current 4-H year	
Always abided by the 4-H Code of Conduct	
Attended at least the minimum number of meetings required by my club(s)	
Met all 4-H and Club deadlines on time	
Completed a County-level Public Presentation	
Submitted MY 4-H Story in the correct format on time	
Submitted my completed Project Record Book on time	

I hereby declare that this 4-H Record Book, which contains:

Section 1: My Personal Development Record; and

Section 2: My Project(s) Record(s)

is a true record of my activities/accomplishments from the current 4-H year.

I confirm that, so far as is reasonably possible given my age and abilities, it is my own work.

Signed by 4-H'er:

Signed by Club Leader: