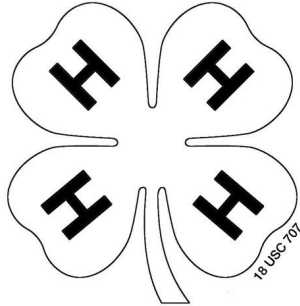


Oceana County



Dairy Project

Record Book

Intermediate (Age 12 – 14)

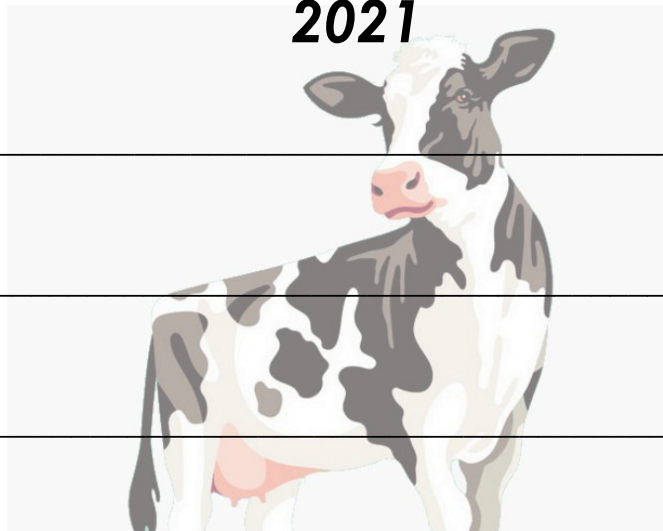
2021

Name: _____

4-H Club: _____

4-H Leader: _____

Age as of (1/1/21) _____ Years in 4-H Dairy Project: _____



MSU Extension programs and materials are open to all without regard to race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, marital status or family status

JUDGE'S SCORE/COMMENT SHEET

**PLEASE DO NOT REMOVE, GLUE TO THE COVER OR PLACE THIS SHEET
IN SHEET PROTECTOR.**

This sheet must be kept free to the judge to write their comments.

This sheet should help each 4-H'er understand their ribbon placing.

A. Specific educational value or worth

___ All questions were answered completely

___ Questions were not completely answered

___ Questions were not answered (missed questions)

B. Notebook contains all project records

___ Notebook contained all project records, and fully complete.

___ Project records were incomplete

c. Accuracy, neatness and general appearance

___ Notebook was neat in appearance (typed/hand printed)

___ Notebook pages were clean and stain free

___ Notebook was difficult to read and messy

___ Notebook had wrinkled and stained pages

___ Notebook pages were missing

Other Comments: _____

This record book is part of your 4-H Dairy Cow/Calf project. By keeping records up-to-date you will be able to see how much progress you make as you set goals and work to accomplish them. Write, or type, neatly and clearly. Feel free to add extra pages at the end of your notebook.

SCORING CRITERIA

The following breakdown will be used during the judging process of all dairy notebooks.

A. Specific educational value or worth	30%
B. Creative way of showing what you have learned	10%
C. Notebook contains all project records	50%
D. Accuracy, neatness and general appearance	10%

The Oceana County 4-H Dairy Committee encourages 4-H Leader and parent assistance with you project and project notebook. If you should have any questions, please contact the MSU Extension Office.



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.
- * A completed record book should have a beginning and final photograph. You are encouraged to be in the photo with your project animal(s) and to include more photographs. You may use additional pages if necessary.

Dairy Project Summary

Number of club meetings held: _____ Number I attended: _____

I gave project talks or demonstrations: _____ Yes _____ No

Topics covered at our meetings were: _____

Have you participated in other dairy activities, fairs, clinics, etc.: ____Yes ____No

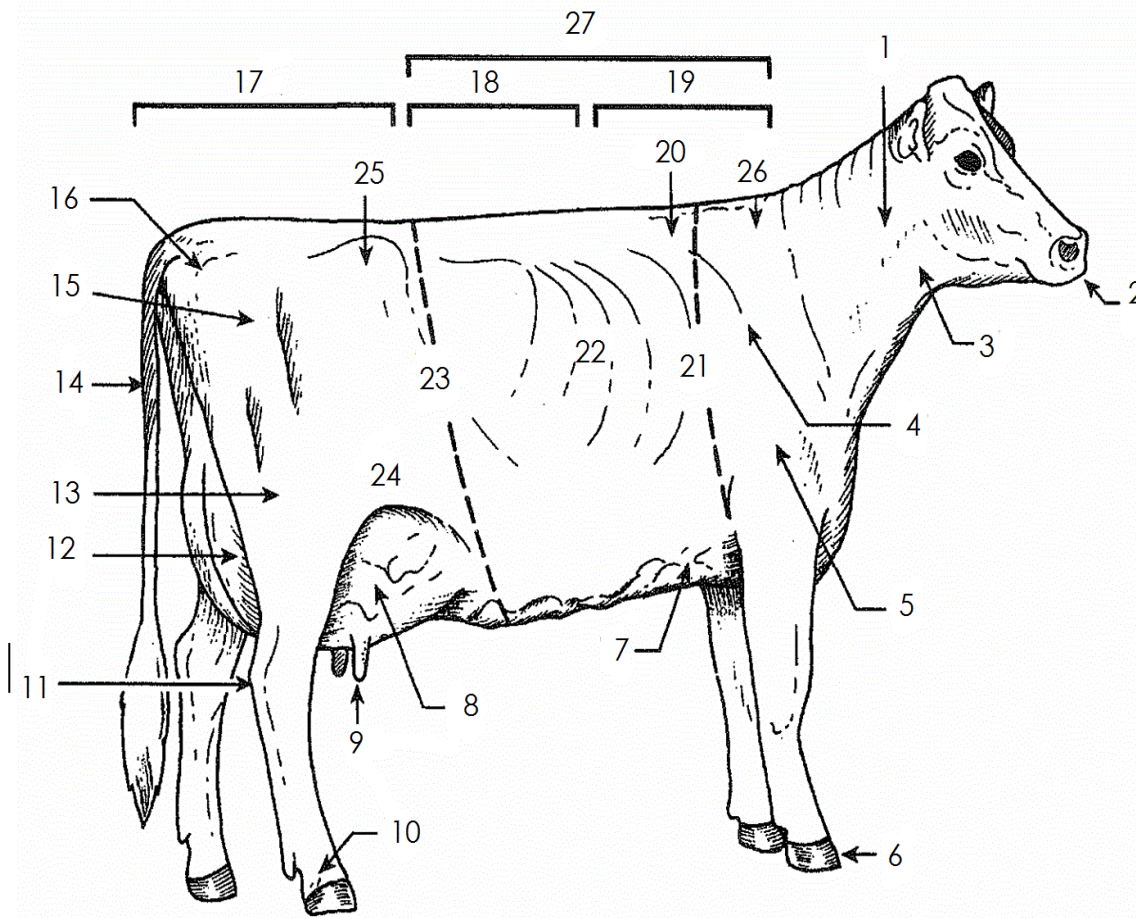
If yes, list the activities, shows, fair or related programs attended. (write N/A if none were attended):

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

PARTS OF A DAIRY COW

(WRITE THE NAME OF THE PART NEXT TO THE CORRECT NUMBER BELOW)

*Courtesy OSU Dairy Learning Laboratory Kit



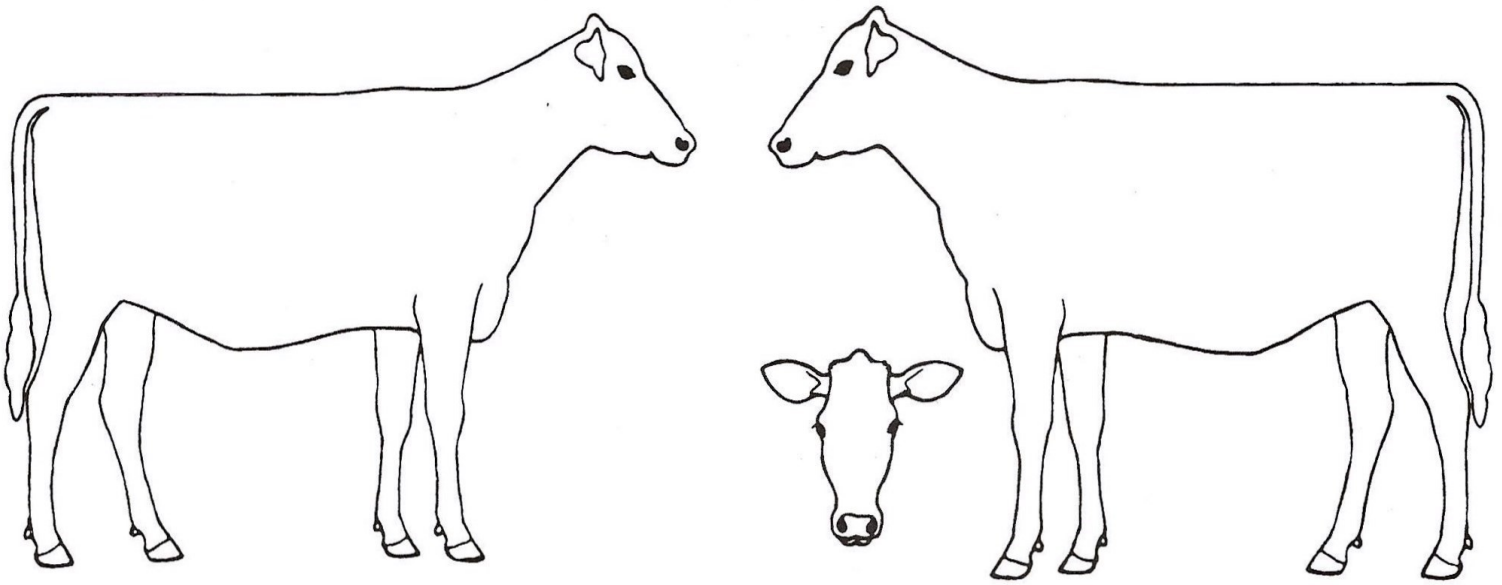
WORD BANK

RIBS
CHINE
CHEST FLOOR
BARREL
CROPS
FORE UDDER
HEART GIRTH
HIP (HOOKS)
HOOF
HOCK
LOIN
NECK
MUZZLE
PASTER
PIN BONE
POINT OF SHOULDER
REAR UDDER
BACK
RUMP
SHOULDER BLADE
STIFLE
THIGH
TEAT
TTAIL
THROAT
THURL
WITHER

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

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

Fill out 1 of these pages per dairy project

(If you only have 1 animal, remove the additional management records pages)

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?

Management Records

Fill out 1 of these pages per dairy project

(If you only have 1 animal, remove the additional management records pages)

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

Fill out 1 of these forms for each dairy animal you exhibit
**(if you only have 1 animal, remove the additional record of care
pages from the notebook)**

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. ***

Starting Date of Week	Care Given	Care Giver

Dairy ANIMAL Record of Care

Fill out 1 of these forms for each dairy animal you exhibit
(if you only have 1 animal, remove the additional record of care
pages from the notebook)

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. ***

Starting Date of Week	Care Given	Care Giver

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? _____

QUIZ BOWL QUESTIONS

1) Name 3 internal parasites of dairy cows: _____,
_____, _____.

2) What are 4 of the 6 major nutrients found in feedstuffs? _____,
_____, _____, _____.

3) What are the 2 main gases produced in the rumen? _____,
_____.

4) Name 4 types of bedding typically used for dairy cattle: _____,
_____, _____, _____.

5) Name 3 ways a dairy cow excretes (or loses) water : _____,
_____, _____.

6) A healthy cows body temperatures should be: _____.

Dairy Cow Unified Score Card

Using the Dairy Cow Unified Score Card (updated 2009 and can be found at: <http://www.purebreddairycattle.com/pages/Literature.php>), list the criteria under each of the FOUR major traits. This is what you would use to choose your show animal.

1. Frame—15%

Example: RUMP– 5 points _____

2. Dairy Strength– 25%

3. Rear Feet & Legs– 20%

4. Udder– 40%

DAIRY KNOWLEDGE

What is a pedigree and what information is usually found in a pedigree for a dairy animal?

How old should a calf be before it is weaned? _____

Describe the housing and environment your animal was raised in. _____

Describe the grain ration(s) you used and list the main ingredients in each. _____

It is especially important to provide clean, fresh water at all times as milk is _____% water.

TRIVIA

Which dairy breed generally has the highest level of milk production? _____

What is the common name for the disease *traumatic gastritis*? _____

An inflammation or infection of the mammary gland is called? _____

Cattle have 4 stomach compartments and are therefore called ruminants. Name them.

_____, _____,
_____, _____.

Which stomach compartment is referred to as the true stomach? _____

List 5 major dairy breeds: _____, _____,

_____, _____, _____.

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:

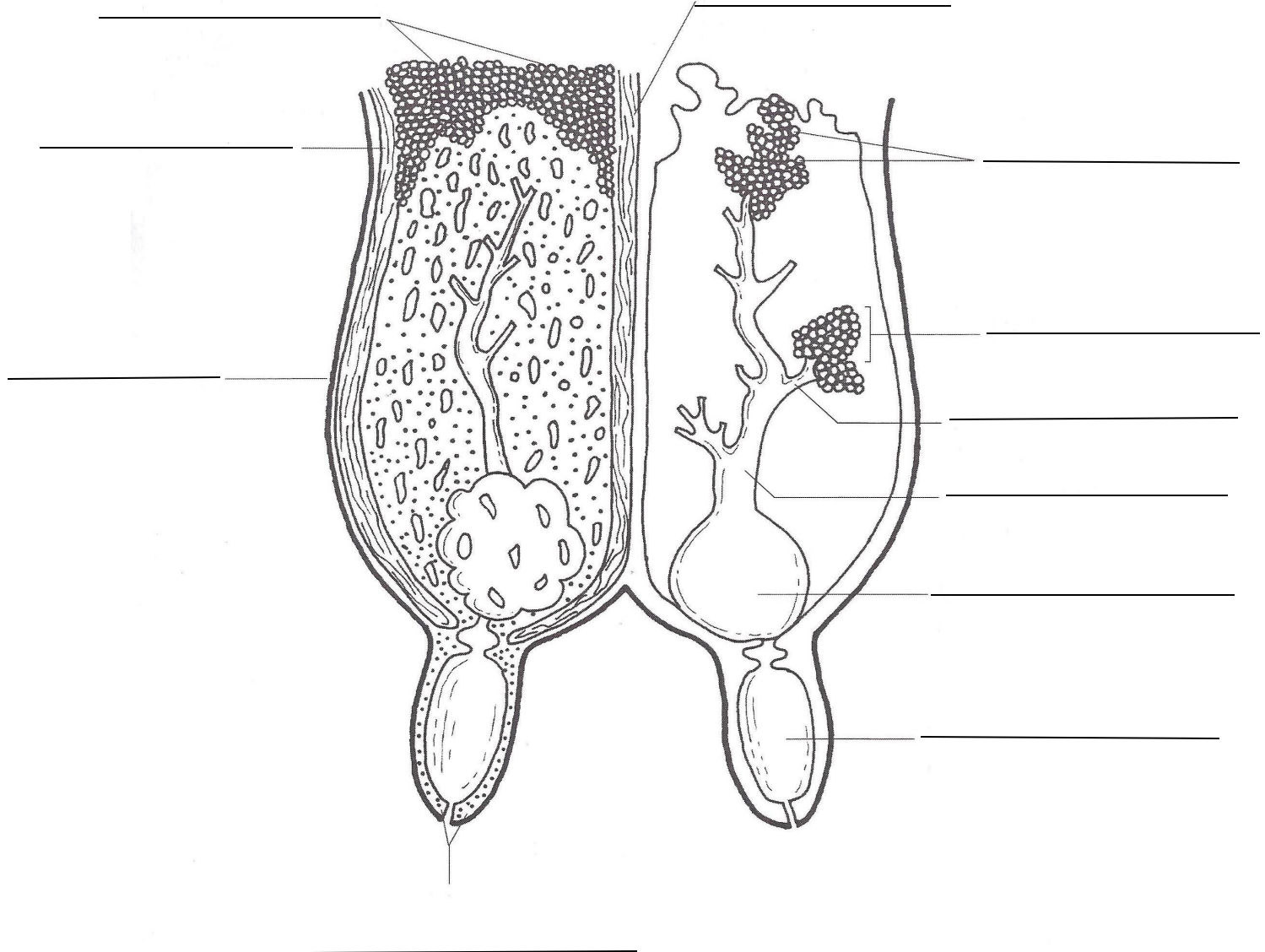
_____, _____,

_____, _____,

_____, _____,

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

Mammary Anatomy



WRITE THE CORRECT NAME OF THE PART ON THE LINE IN THE ABOVE DIAGRAM

Alveolar duct

Alveoli

Collecting duct

Fat

Gland cistern

Lateral suspensory ligament

Lobule

Medial suspensory ligament

Skin

Sphincter muscle

Teat cavity

4-H INFORMATION

(as this is a 4-H project, you should know the following information)

The 4-H Pledge

I pledge....

The 4-H Motto: _____

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):

CLUB MEETINGS

<u>DATE:</u>	<u>LOCATION:</u>	<u>SIGNATURE OF LEADER:</u>	<u>NOTES:</u> (anything that you may want to remember about this meeting)

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.