Name: ________________________________

4-H Club: ________________________________

4-H Leader: ________________________________

Age as of (1/1/17) _____ 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, martial status or family status
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.

3. (2017)
**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? _________________________________
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

4. (2017)
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
PASTERN
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. ___________________________
5. (2017)
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)

<table>
<thead>
<tr>
<th>Name:</th>
<th>Breed:</th>
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<tr>
<td>Date of Birth or Age:</td>
<td>RFID (required)</td>
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- 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)

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- 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. **

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<tr>
<th>Starting Date of Week</th>
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8. (2017)
** 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. **

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8. (2017)
**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?

<table>
<thead>
<tr>
<th>Date(s)</th>
<th>Description of Work Completed</th>
<th>Number of Hours Spent On Task</th>
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- 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                      Date

Or Parent if raised on own Farm

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 cow's body temperatures should be: _________________________________.
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

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2. **Dairy Strength—25%**

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3. **Rear Feet & Legs—20%**

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4. **Udder—40%**

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11. (2017)
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:

12. (2017)
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?
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________
WRITE THE CORRECT NAME OF THE PART ON THE LINE IN THE ABOVE DIAGRAM

Alveolar duct  Gland cistern  Skin
Alveoli        Lateral suspensory ligament  Sphincter muscle
Collecting duct Lobule                Teat cavity
Fat            Medial suspensory ligament
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):

___________________________________________________________________________

___________________________________________________________________________

___________________________________________________________________________

___________________________________________________________________________

___________________________________________________________________________

15. (2017)
## CLUB MEETINGS

<table>
<thead>
<tr>
<th>DATE:</th>
<th>LOCATION:</th>
<th>SIGNATURE OF LEADER:</th>
<th>NOTES: (anything that you may want to remember about this meeting)</th>
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**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.