As a member of the Small Market Animal Project, you are required to submit your records as part of an educational project notebook in order to show your animal at the Oceana County Fair. This notebook must be shown to the Oceana County 4-H Market Livestock Committee's Weighmaster at the time of weigh-in and then entered by you in the Educational Notebook Division of the Oceana County Fair on Entry day.

AGE: _____
The age you enter depends on how old you were on January 1, 2018.

Number of years in project: _____

Use this sheet as the first page of your project record book. Fill it out completely. Please print or type neatly.

NAME_______________________________________

4-H CLUB_______________________________________

BREED_______________________________________ NAME_______________________________________

ANIMAL’S DATE OF BIRTH____________________ DATE RECORD STARTED____________________

LOCATION OF WHERE ANIMAL IS RAISED_______________________________________
JUDGE'S SCORE/COMMENT SHEET

(PLEASE DO NOT REMOVE, PLACE THIS SHEET IN SHEET PROTECTOR OR GLUE TO COVER). 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
   - ___ All calculations were correct
   - ___ Calculations were incorrect
   - ___ Questions were not completely answered
   - ___ Questions were not answered (missed questions)

B. **Notebook contains all project records**
   - ___ Notebook contained all project records and were fully completed
   - ___ Notebook contained additional project related information (research materials etc.)
   - ___ Project records were incomplete
   - ___ There was no additional project related information

C. **Accuracy, neatness and general appearance**
   - ___ Notebook was neat in appearance (typed/hand printed)
   - ___ Notebook pages were clean and stain free
   - ___ Notebook pages were in order and complete
   - ___ Notebook pages were out of order and missing pages
   - ___ Notebook was difficult to read and messy
   - ___ Notebook had wrinkled and stained pages

Other Comments: __________________________________________________________
_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________
OBJECTIVES

1. Develop desirable work habits, sportsmanship, and ability to cooperate and express ideas through participation in projects, discussions, method demonstrations, judging teams, and exhibits.
2. Experience the pride and responsibility of leasing/owning and caring for beef.
3. Learn how to feed, fit, show, breed and raise beef.
4. Learn proper handling procedures to prevent injuries to 4-H members and their beef projects.
5. Appreciate and use scientific information in beef production and marketing.
6. Improve knowledge of grading, marketing and merchandising of beef products.
7. Learn the importance of the beef industry to the local, state, and national economies.
8. Acquire information on the opportunity that beef offers as a career.

This record book is part of your Small Market Young Beef/Feeder 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. Please keep the pages in order. Feel free to add extra pages at the end of your notebook. Pictures are a required part of your notebook. Taking pictures of your project animal throughout the project will indicate how your animal has grown and developed. Add pictures to your notebook on a separate piece of paper.

SCORING CRITERIA

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

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

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

If you needed extra help in filling out your notebook please have whoever helped sign below that the answers are YOUR answers and that they assisted you in the writing of the answers and understanding of the questions only.
The 4-H SMAA Committee is **requiring all** 4-H Market Livestock members to complete the “Journal of Care” so the judge may see the time, effort and care you have put into learning about your animal.

**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. **

<table>
<thead>
<tr>
<th>MONTH</th>
<th>JOURNAL OF ANIMAL CARE</th>
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<tbody>
<tr>
<td>MARCH:</td>
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<td>APRIL:</td>
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<td>MAY:</td>
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</table>
If not housed at your home, have the property owner sign. If housed at your home, please have your parent sign.

I do attest and certify that this 4-Her has cared for this animal in a responsible manner while housed on my property. I also understand that integrity and responsibility are important to this 4-H experience.

_________________________________________ ______________
Signature of Property Owner or Parent Date
If housed on own property
PROJECT INFORMATION

The start of the project will be the date the exhibitor placed the animal on feed. The end of the project will be weigh-in at fair.

Project Start Date ________________

Project End Date ________________

What month was your calf born? ____________________________

Please fill in the following information about your calf.

<table>
<thead>
<tr>
<th>Calf's Name</th>
<th>Calf's RFID Number</th>
<th>Breed</th>
<th>Date of Purchase</th>
<th>Price or Value</th>
<th>Starting Weight</th>
<th>Ending Weight</th>
<th>Total Pounds Gained</th>
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Note: Ending Weight - Starting Weight = Total Pounds Gained

MARKETING

One of the most important parts of any market animal project is marketing; this is how you get someone to come to the auction to buy your animal. It may include things such as writing letters and talking to possible buyers.

- What did you do to market your animal?
- If you had a market project in the past what did you do differently this year?

_________________________________________________________________________________
(A) MONTHLY FEED RECORD & EXPENSES

<table>
<thead>
<tr>
<th>Month</th>
<th>Type of feed used- List the main ingredient</th>
<th>Lbs. of feed used for the month</th>
<th>Cost of feed used for the month</th>
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<td>February</td>
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(A) Total Cost of Feed $__________________________
(B) OTHER PROJECT EXPENSES

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<th>DATE</th>
<th>VET, BEDDING, EQUIPMENT, TRUCKING, CLIPPING, MARKETING/BUYER RECOGNITION, ETC.</th>
<th>COST</th>
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(B) TOTAL SPENT ON OTHER EXPENSES $ ____

(C) COST OF FEEDER CALF $ _______

TOTAL EXPENSES (A+B+C) = $ _______ (TE)

\[
\text{Break Even Price (BE)} = \frac{\text{Total Expenses (TE)}}{\text{Final Weight (FW)}}
\]

(or total cost per pound to raise your animal)

** The breakeven price is the price that you need to get at the Small Market animal auction in order to not lose money on your market project **
Parts of the Beef Animal

Write the Letter from Below Next to the Correct Beef Part Above

A. BACK  B. HEART GIRTH  C. PIN
D. BRISKET  E. HOCK  F. POINT OF SHOULDER
G. CREST  H. HOOF  I. POLL
J. DEWCLAW  K. HOOK  L. QUARTER
M. DEWLAP  N. KNEE  O. RUMP
P. EAR  Q. LOIN  R. SWITCH
S. FACE  T. MUZZLE  U. TAIL HEAD
V. FOREARM  W. PASTERN  X. THROAT

*Courtesy of the Beef Resource Handbook 4-H 117R-The Ohio State University Extension
WHOLESALE CUTS OF BEEF
Write the letter on the line that lists the correct part.

A. BRISKET
B. CHUCK
C. FLANK
D. FORE SHANK
E. RIB
F. ROUND
G. SHORT LOIN
H. SHORT PLATE
I. SIRLOIN

FILL IN THE RETAIL CUTS OF BEEF USING THE WORDS IN THE WORD BANK

WORD BANK
BRISKET RUMP ROAST
FLANK STEAK STEW BEEF
ROUND STEAK RIB STEAK
SHORT RIBS SIRLOIN STEAK
CHUCK ROAST T-BONE STEAK
GROUND BEEF

A. ______________ D. ______________ G. ______________ J. ______________
B. ______________ E. ______________ H. ______________ K. ______________
C. ______________ F. ______________ I. ______________
BREEDS (write the letter of the correct breed on the line before the definition)

_____Originated in the northwestern part of France. Very dark red with white markings on the head, belly, rear legs & tail.

_____This breed has red bodies with white faces. They are the 2nd most numerous breed in the US and are known for their quiet dispositions, foraging ability & hardiness.

_____Solid black polled this breed is the most numerous in the US. They are known for their carcass quality, milking & mothering abilities.

_____This breed is red to dark red with spotted bodies and white to light straw faces. American versions are black or red with a blazed face. They are known for good milk production.

_____These animals are large & white. They are noted for their fast growth rates & lean meat.

_____Developed as a draft animal, the most important traits are extreme size and strength. They are the largest cattle in the world.

_____Large muscled, these cattle are solid-to golden-red in color with lighter circles around the eyes & muzzle. They originated in the west-central part of France.

_____This breed was brought to the US from England in 1783. They can be red, white, or roan in color. They are known for their good disposition, mothering & milking abilities.

WORKD BANK:  A. ANGUS  B. CHAROLAIS  C. CHIANINA  D. HEREFORD  E. LIMOUSIN  F. MAINE-ANJOU  G. SHORTHORN  H. SIMMENTAL
1. Young, lightweight cattle of either sex
3. The clipping, washing and grooming of animals for show
5. A breed of beef cattle developed in England and having a reddish coat with white face, chest, belly, and lower legs
6. The most important part of a calf’s diet
8. Nutritionally balanced mixture of feed ingredients
9. An animal that has 4 stomach compartments
11. A female of the cattle species that has had a calf

1. The first milk-high in antibodies produced by a cow after giving birth
2. Amount of fat cover on an animal
4. A disease caused by the secretion of toxins into the nervous system
7. A viral infection of the skin
10. The amount of feed consumed by a calf in one day
12. Born without horns
**NUTRIENTS** - find the following nutrients for your calf by circling the words in the puzzle below, they may be up, down forward or backwards

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**WORD BANK**

1. Corn
2. Energy
3. Forage
4. Grains
5. Hay
6. Minerals
7. Protein
8. Roughage
9. Vitamins
10. Water

**FILL IN THE BLANK BY CIRCLING THE CORRECT LETTER- HALTER BREAKING YOUR CALF**

1. Calves need to be broke to lead
   a. One week before the show
   b. One month before the show
   c. Several months before the show when they are still calves

2. The first step to halter breaking a calf is
   a. Letting the calf drag a halter for a week before tying it up
   b. Tranquilizing the calf
   c. Buying batteries for the electric cattle prod

3. To help a calf get used to strange noises at the Fair you should
   a. Play a radio in the barn
   b. Yell around them
   c. Throw firecrackers under them

4. Calves need to be tied
   a. The whole time you own them so they won’t get away
   b. All day long because they are easier to catch
   c. A few hours a day but only when you are around to watch them
ANSWER THE FOLLOWING QUESTIONS:

1. Why did you pick the steer that you picked?  
   ____________________________________________
   ____________________________________________
   ____________________________________________
   ____________________________________________

2. What is the best feature(s) of your market steer?  
   ____________________________________________
   ____________________________________________
   ____________________________________________
   ____________________________________________

3. What feature(s) of your market steer could use improvement?  
   ____________________________________________
   ____________________________________________
   ____________________________________________
   ____________________________________________

4. Will you do a feeder calf project again?  
   ____________________________________________  Why or why not?
   ____________________________________________
   ____________________________________________
   ____________________________________________
The 4-H Pledge
Complete the Pledge

I Pledge:

My HEAD to clearer ____________________________.
My HEART to greater ____________________________.
My HANDS to larger ____________________________, and
My HEALTH to better ____________________________.

For my ________________________, my ____________________________.
My ________________________, and my ____________________________.

The 4-H Mottos is: ________________________________________

4-H ACTIVITIES

Number of club meetings held: _______ Number you attended: _______

List any club activities in which you have:
  • participated in
  • responsibilities which you have assumed

(for example: Community service events, workshops, judging contest, clinics, offices held, parades representing 4-H, etc., if none, write none)

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
<th>Location</th>
<th>Placing, Position or Comments</th>
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</table>
**MY 4-H STORY**

Interesting things that happened to me and my animal this year, challenges, highlights of my year or anything else I would like to share about my overall 4-H experience.

---

**POTENTIAL BUYER’S NAMES**

As part of your 4-H Small Market Animal Project, you must personally contact at least five potential buyers before the Oceana County Fair. You are encouraged to seek two new buyers that have not been asked or submitted before. **You also must have at least three different buyers than those of your siblings in the market livestock project.** Please confirm with your buyers their accurate mailing address (example: post office box vs. a street address). The information on page 16 must be completed and taken to the Oceana County MSU Extension Office on or before the due date where it will be **copied** and used to send out letters to your potential buyers. This page will remain in your notebooks. This is a Small Market Animal Committee rule. Failure to comply will result in not being able to sell your animal in the 4-H Small Market Animal Sale.
SMALL MARKET POTENTIAL BUYER’S LIST
FEEDER CALF PROJECT (AGES 9 & up)

Please print business names, phone numbers and complete addresses clearly.

<table>
<thead>
<tr>
<th>Name</th>
<th>Club</th>
<th>Phone</th>
<th>Mailing Address</th>
<th>Signature</th>
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(Must be stamped by the MSU Extension Office)
PICTURES OF YOUR PROJECT

(Please use this page for your project pictures. Add additional pages if you would like. The judges appreciate captions or labels with your pictures to know what the picture is about.)
Please note: This form must be included with your record notebook and turned into the weigh master on entry day of the Fair. You need to accumulate nine (9) points to be allowed to sell your animal. Six (6) of these nine (9) points must come from club meetings. Three (3) nonclub points must come from other types of meetings (example: clinics, shows, workshops, fair clean-up and/or county-wide awards).
**NON-CLUB POINTS**

**SMALL MARKET ANIMAL ASSOCIATION/JR MARKET PROJECT**

**ATTENDANCE RECORD**

(must be filled out by participant before requesting signatures in the MSUE Office)

<table>
<thead>
<tr>
<th>MEETING NAME</th>
<th>LOCATION</th>
<th>DATE</th>
<th>POINTS</th>
<th>SIGNATURE OF LEADER, SUPERINTENDENT OR MSU STAFF</th>
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