As a member of the 4-H Market Livestock Steer Project, you are required to submit your records as part of an educational project notebook in order to sell your animal at the 4-H Market Livestock Sale. 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 are or will be on January 1, 2017

Number of years in project: _______

Use this sheet as the first page of your project record book. Fill it out completely.

Please print neatly.

NAME__________________________

DATE OF BIRTH______________ GRADE__________

Month Day Year

4-H CLUB_________________________________________

BREED______________________ STEER’S NAME_____________________

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 for 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: ______________________________________________________________

____________________________________________________________________________

____________________________________________________________________________

____________________________________________________________________________
TABLE OF CONTENTS

Please keep your notebook in Table of Contents order.

1) GENERAL GUIDELINE INFORMATION
2) JOURNAL OF CARE
3) PROJECT INFORMATION
4) SPECIFIC PROJECT KNOWLEDGE
   a) Marketing
   b) Diseases- Matching
   c) Breeds- Matching
   d) Steer Parts Identification
   e) Beef Facts- Multiple Choice
   f) Project Rules- Multiple choice
5) YOUR PROJECT INFORMATION
   a) Project Progress & Management Report
   b) 4-H Knowledge
   c) My 4-H Story
6) BUYERS NAMES
7) PICTURES OF YOUR PROJECT (1 page)
8) CLUB/NON CLUB POINT SHEET
APPENDIXES (OPTIONAL):
   A. PICTURES OF YOUR PROJECT (additional pictures)
   B. FEED INFORMATION (example: feed labels etc.)
   C. ADDITIONAL INFORMATION ABOUT YOUR PROJECT
      a. Information you found in reference materials
      b. Information you located off the internet
      c. Information gathered from your feed representative
      d. Any other information
         * Include notes as to why you researched this information and found it valuable, link it to your project if possible.

Note: Reference materials used for the specific project knowledge include:

a. Extension publication 4-H 1188 – Your 4-H Market Beef Project
b. 4-H Market Livestock Beef Project Rules
   c. Kansas State 4-H Online
   d. The Ohio State University Learning Lab Online Site
This record book is part of your 4-H Market Steer 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 neatly and clearly. Feel free to add extra pages.

PROJECT PICTURES

Pictures are a required part of this 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 Market Livestock 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.
JOURNAL OF CARE

The 4-H Market Livestock 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, general maintenance (cleaning living & feed area), halter broke, training, had vaccinated, etc.**

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I, __________________________, do attest and certify that this 4-Her has cared for animal in a responsible manner while housed on my property. I also understand that integrity & 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 steer born? ________________

Please fill in the following information about your steer.

<table>
<thead>
<tr>
<th>Steer’s Name</th>
<th>Steer’s RFID Number</th>
<th>Breed</th>
<th>Date of Purchase</th>
<th>Price or Value</th>
<th>Starting Weight</th>
<th>Ending/Final Weight (FW)</th>
<th>Total Pounds Gained</th>
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</table>

Note: Ending Weight - Starting Weight = Total Pounds Gained

**MONTHLY FEED RECORD & EXPENSES**

<table>
<thead>
<tr>
<th>Month</th>
<th>Type of feed used- (grain, silage, hay, pasture, etc.)</th>
<th>Supplements (if any used)</th>
<th>Amount (indicate lbs., bales, etc.)</th>
<th>Cost or Value of feed used for the month</th>
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## MONTHLY FEED RECORD & EXPENSES (cont.)

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<th>Month</th>
<th>Type of feed used- (grain, silage, hay, pasture, etc.)</th>
<th>Supplements (if any used)</th>
<th>Amount (indicate lbs., bales, etc.)</th>
<th>Cost or Value of feed used for the month</th>
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**Total Feed Costs for Project $ $ ___________________**
EXPENSES OTHER THAN FEED

The 4-H Market Livestock Committee would like you to keep a running list of all of your expenses -- veterinary charges, bedding, insecticides, trucking, insurance, interest paid on money borrowed, housing etc.

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<tr>
<th></th>
<th>Vet Charges</th>
<th>Bedding</th>
<th>Insecticides</th>
<th>Equipment/Fitting &amp; Showing Supplies</th>
<th>Trucking</th>
<th>Housing/Rent</th>
<th>Shearing or Clipping</th>
<th>Advertising/Marketing</th>
<th>Miscellaneous (specify) Include 4-H fee</th>
<th>Buyers Recognition</th>
<th>MONTHLY TOTAL</th>
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</table>
PROJECT EFFICIENCY INFORMATION

Value of Animal at Time of Purchase = ____________

\[
\frac{\text{Total lbs. of Gain}}{\text{Days on Feed}} = \text{Average Daily Rate of Gain}
\]

\[
\frac{\text{Total Feed Cost}}{\text{Total lbs. of Gain}} = \text{Feed Cost per Lbs. of Gain}
\]

\[
\frac{\text{Total lbs. of feed fed}}{\text{Total lbs. of gain}} = \text{Lbs. of Feed fed per lbs. of Gain}
\]

\[
\text{Total Feed Expense} + \text{Cost of Animal} + \text{Other Expenses} = \text{Total Project Expense} \tag{TE}
\]

Beef animals are sold by the pound at a Large Animal Sale Auction. Find out what bid price (per lb.) you need to get at the Large Market Auction to break even (BE) on your market Beef Project.

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

(or total cost per pound to raise your animal)

What is the current selling price of beef (per lb.)? __________________________

Where did you find the current selling price? __________________________

(if your source was a person, ask them where they got this information)

Would you have been able to make a profit selling on the open market? ______________

Why or why not? ____________________________________________________________

_______________________________________________________________________

_______________________________________________________________________

_______________________________________________________________________

_______________________________________________________________________
MARKETING

One of the most important parts of any market animal project is marketing. This includes writing letter, talking to buyers and making sure that you thank previous buyers in a timely fashion.

- What did you do to market your animal this year?
- If you have participated in a market livestock project what did you do differently this year?

_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

MATCH THE BEEF DISEASES/AILMENTS TO THEIR SYMPTOMS

____. This disease is common to calves and usually occurs shortly after shipment. It is a respiratory disease caused by a virus. Symptoms are fever, depression, going off feed, light cough and nasal discharge.

Caused by a bacteria that may be contracted through contaminated feed & water. It affects the respiratory system. Symptoms are depression fever, excessive salivation & nasal discharge.

____ Caused by an organism that produces a strong toxin. This disease progresses so slowly no symptoms are noticed before the animal is found dead. Symptoms are depression, weakness, loss of appetite, diarrhea & rapid weight loss.

____ A viral infection of the skin the causes growths that look like cauliflower.

____ This common disease involves the hoof and surrounding areas. The soft tissue will become tender. An open wound develops and infection develops in the foot & surrounding joints. Lameness will develop

A. Enterotoxemia
B. Parainfluenza
C. Warts
D. Pneumonia
E. Foot Rot
## BREED MATCHUP

(unscramble the breeds & then draw a line to the correct description)

<table>
<thead>
<tr>
<th>Breed</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>S N H R O O R H T</strong></td>
<td>Originally called Durhams, this British breed can be red, white or roan in color. They are noted for their good disposition, mothering, and milk production.</td>
</tr>
<tr>
<td><strong>O U A N J – M I E A N</strong></td>
<td>Large framed, red and white in color from France. This is the largest French breed of cattle.</td>
</tr>
<tr>
<td><strong>G U S N A</strong></td>
<td>Solid black polled breed. They are the most numerous cattle in the US and are noted for high quality carcasses.</td>
</tr>
<tr>
<td><strong>F O E D R H E R</strong></td>
<td>White faced, known for their mothering &amp; foraging ability plus their docile disposition. The 2nd most numerous breed in the US.</td>
</tr>
<tr>
<td><strong>M M E N S I L A T</strong></td>
<td>White faced, red or yellow breed. They are noted for good milk production. American versions are black or red with a blazed face.</td>
</tr>
<tr>
<td><strong>L O H C R A I S A</strong></td>
<td>Large frame, solid white breed from France. They are known for their fast growth rates.</td>
</tr>
</tbody>
</table>
BEEF PARTS

WRITE the numbers that corresponds to the correct part of the animal on the lines below

References: Ohio 4-H Beef, Sheep, & Swine Selection and Evaluation Book #103R; Beef Learning Laboratory Kit
Prepared by: Jodi Black, State Extension Association, 4-H/Animal Sciences, and Andrea Auker, Animal Sciences Student
BEEF FACTS- Multiple Choice- (circle the correct answer)

1. Which is **not** an energy feed or concentrate?
   a. Alfalfa hay
   b. Corn
   c. Barley
   d. Wheat.

2. Two common infectious diseases of beef animals are?
   a. Foot rot and pinkeye
   b. Cattle grubs and flies
   c. Ringworm and warts
   d. Pasteurellosis and coccidiosis

3. Which is a Noninfectious disease?
   a. Pinkeye
   b. Bloat
   c. Bovine Virus Diarrhea
   d. Parainfluenza

4. How long after you have brought your new calf home, should you begin halter breaking it?
   a. Right way
   b. 7 to 10 days
   c. 2 weeks
   d. 1 month before fair

5. When should your fair animal have his hooves trimmed?
   a. Once a month
   b. Every two months
   c. 4-6 weeks before the fair
   d. The day before the fair

6. Which of the following is NOT allowed to be used as bedding at the Fair?
   a. straw
   b. kiln-dried wood shavings
   c. sawdust
   d. you can use all of the above

7. When entering the show ring, you should lead your animal?
   a. From the right side
   b. From the front
   c. From the left side
   d. Either right, left or front-it doesn't matter
4-H MARKET LIVESTOCK STEER PROJECT RULES
MULTIPLE CHOICE QUESTIONS- Circle the Correct

Circle the correct answer to each question or statement.

1. All steers must be on feed no later than?
   A. November 15th
   B. December 1st
   C. January 1st

2. The 4-H Market Livestock Committee recommends that steers/dairy beef be purchased weighing between the following weights to assure your animal will reach the required selling weight?
   A. 250 – 500 lbs.
   B. 450 – 700 lbs.
   C. 650 – 800 lbs.

3. Your project notebook must be submitted into the 4-H Exhibit Building during the Fair by this time?
   A. Directly after your animal has been weighed in
   B. Before 5 p.m. on Entry Day
   C. Before 12 noon on Entry Day

4. The minimum weight for all steer/dairy beef animals in the 4-H Market Livestock Steer/Dairy Beef Project to be eligible to sell is?
   A. 800 lbs.
   B. 850 lbs.
   C. 950 lbs.

5. To complete a 4-H year, a member must attend a minimum of how many meetings?
   A. 8 meetings
   B. 6 meetings
   C. 4 meetings

6. When do all pens/stalls have to be cleaned during the Fair?
   A. once a day
   B. before 12 noon each day
   C. before 9 a.m. each day

7. 4-Her's must have achieved at least this placing on their most recent market animal notebook entry at the Oceana County Fair.
   A. c
   B. a
   C. b
YOUR PROJECT

1. What you learned that you did not know about your project? ________________________
   ____________________________________________________________________________
   ____________________________________________________________________________
   ____________________________________________________________________________

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 participate in a market steer project again? _____________________________
   Why or why not? ____________________________________________________________________________
   ____________________________________________________________________________
   ____________________________________________________________________________
The 4-H Pledge
(fill in the blanks)

I pledge...

My______________________________, My______________________________,
My______________________________, and My______________________________.

For my______________________________, my______________________________,
my______________________________, and my______________________________.

LIST 1 WAY THAT YOU HELPED OR TAUGHT OTHERS THIS YEAR:
_________________________________________________________________________
_________________________________________________________________________

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.)

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

(interesting things that happened to me and my animal this year, challenges, highlights of the 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 Market Livestock 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 Market Livestock Committee rule. Failure to comply will result in not being able to sell your animal in the 4-H Market Livestock Sale.
4-H MARKET LIVESTOCK POTENTIAL BUYER’S LIST
STEER PROJECT (AGES 12-14)

Name________________________________________Club_________________________

Please print business names and complete addresses clearly.

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

Please use this page for your project pictures. If you have more than 1 page of pictures please use the appendix section to include those pictures.