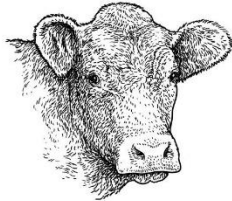


# OCEANA COUNTY 4-H MARKET LIVESTOCK EDUCATIONAL NOTEBOOK/RECORD

STEER PROJECT - 2023

AGES 15 - 19



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, 2023

**Number of years in project:** \_\_\_\_\_

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

**Please print neatly.**

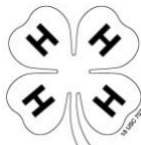
NAME \_\_\_\_\_

4-H CLUB \_\_\_\_\_

BREED \_\_\_\_\_

STEER'S NAME \_\_\_\_\_

LOCATION 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 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 was difficult to read and messy

Notebook had wrinkled and stained pages

Other Comments: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**4-H MARKET LIVESTOCK STEER NOTEBOOK**  
**AGES 15-19**

**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) Breed Scramble
  - b) Marketing
  - c) Marketing True & False
  - d) Steer Parts Identification
  - e) Halter Breaking Your Animal
  - f) Retail Cuts
  - g) Wholesale Cuts
- 5) YOUR PROJECT INFORMATION
  - a) Project Progress & Management Report
  - b) 4-H Knowledge
- 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	<b>30%</b>
B. Creative way of showing what has been learned	<b>10%</b>
C. Notebook contains all project records	<b>50%</b>
D. Accuracy, neatness and general appearance	<b>10%</b>

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.

I, \_\_\_\_\_ assisted \_\_\_\_\_ in  
 Parent/Leader/Adult Name 4-Her's Name  
 understanding the questions and writing the answers. All answers are those of the 4-Her.

\_\_\_\_\_  
 Signature of person helping with notebook  
*If* written help was needed

## **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.

*\*\* Include things such as walked, fed, washed, clipped, trimmed, foot care, health practices, medicines, general maintenance (cleaning living & feed area), halter broke, training, had vaccinated, etc. \*\**

DECEMBER - FEBRUARY

MARCH - MAY

**JOURNAL OF CARE** (continued)

JUNE - AUGUST

I, \_\_\_\_\_, do attest and certify that this 4-Her has cared for  
(property owner name-please print-if parent put parent's name)

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  
If housed on own property.

\_\_\_\_\_  
Date

### 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: December 1, 2022      Project End Date: \_\_\_\_\_  
Fair Haul In Day

What month was your steer born? \_\_\_\_\_

Please fill in the following information about your steer.

Steer's Name	Steer's RFID Number	Breed	Date of Purchase	Price or Value	Starting Weight	Ending/Final Weight (FW)	Total Pounds Gained

**Note: Ending Weight-Starting Weight= Total Pounds Gained**

### MONTHLY FEED RECORD & EXPENSES

Month	Type of feed used- <i>(grain, silage, hay, pasture, etc.)</i>	Supplements <i>(if any used)</i>	Amount <i>(indicate lbs., bales, etc.)</i>	Cost or Value of feed used for the month
December				
January				

**MONTHLY FEED RECORD & EXPENSES (cont.)**

Month	Type of feed used- <i>(grain, silage, hay, pasture, and/or Supplements etc.)</i>	Amount <i>(indicate lbs., bales, etc.)</i>	Cost or Value of feed used for the month
February			
March			
April			
May			



**MONTHLY FEED RECORD & EXPENSES (cont.)**

Month	Type of feed used- ( <i>grain, silage, hay, pasture, and/or Supplements etc.</i> )	Amount ( <i>indicate lbs., bales, etc.</i> )	Cost or Value of feed used for the month
June			
July			
August			
Column Totals			

**Total Feed Costs for Project**      \$ \_\_\_\_\_



**PROJECT EFFICIENCY INFORMATION**

Value of Animal at Time of Purchase = \_\_\_\_\_

$$\frac{\text{Total lbs. of Gain (from page 4)}}{\text{Days on Feed}} = \text{Average Daily Rate of Gain}$$

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

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

$$\text{Total Feed Expense} + \text{Cost of Animal} + \text{Other Expenses} = \text{Total Project Expense (TE)}$$

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.

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

(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 TIPS & TRICKS (cont.)**

Thanking a buyer for just coming to the auction is not necessary	T	F
A handwritten thank you note on a scrap piece of paper is an excellent way to thank your buyer.	T	F
Thanking the buyer with a small appreciation gift is a good Idea.	T	F
Visiting buyers who previously purchased your animals is not worth your time each year.	T	F
Presenting yourself in a business manner when approaching a buyer to be a potential buyer is a good idea.	T	F

**BREED SCRAMBLE –**

Unscramble the following popular beef breeds next to the correct description.

_____	Large framed, red and white in color from France. This is the largest French breed of cattle.
NAEIM - U O A N J	
_____	White faced, known for their mothering & foraging ability plus their docile disposition. The 2 <sup>nd</sup> most numerous breed in the US.
DEFROEHR	
_____	Large frame, solid white breed from France. They are known for their fast growth rates.
H L O R A A S C I	
_____	Solid black polled breed. They are the most numerous cattle in the US and are noted for Quality carcasses.
S N G A U	
_____	White faced, red or yellow breed. They are noted for good milk production. American Versions are black or red with a blazed face.
L T I M S M A N E	
_____	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.
R H T H O O N S R	

**BREED SCRAMBLE (cont.)**

Unscramble the following popular beef breeds next to the correct description.

\_\_\_\_\_ This breed of cattle are easy calving, good  
 N A E M R I A C A D R E E N B E natured cattle that are very feed efficient and  
 Maintain themselves on grass.

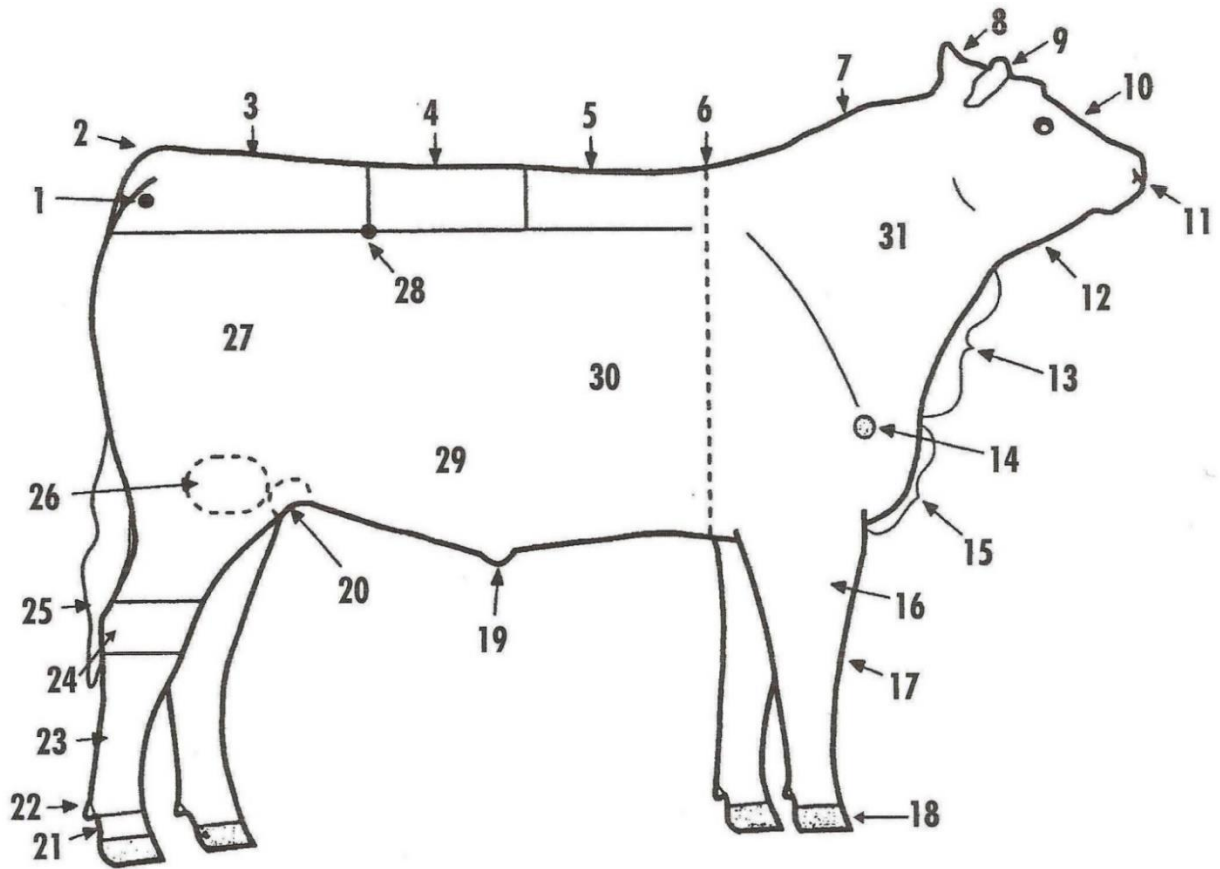
\_\_\_\_\_ These cattle are all registered Maine-Anjou, from  
 R M N A E A T I I N one-quarter to five-eighths blood.

\_\_\_\_\_ Developed at the King Ranch in Texas. A cross of  
 T N A S A R G T D S R E U I Shorthorn and Brahman breeds. Dar Red, sliced haired  
 and loose hide.

\_\_\_\_\_ Large muscled, red to gold breed from the  
 M O U I N L I S French regions of Limousin and Marche.

### BEEF PARTS

**WRITE** the numbers that corresponds to the correct part of the animal on the lines below  
 Ages 15-19 identify all beef parts



- |                         |               |                    |                    |
|-------------------------|---------------|--------------------|--------------------|
| _____ throat            | _____ crest   | _____ knee         | _____ cannon       |
| _____ neck              | _____ face    | _____ rib          | _____ stifle joint |
| _____ point of shoulder | _____ pin     | _____ sheath/navel | _____ forearm      |
| _____ loin              | _____ muzzle  | _____ rear flank   | _____ switch       |
| _____ hoof              | _____ dewlap  | _____ ear          | _____ tail head    |
| _____ heart girth       | _____ rump    | _____ hook         | _____ hindquarter  |
| _____ pastern           | _____ brisket | _____ dewclaw      | _____ belly        |
| _____ poll              | _____ back    | _____ hock         |                    |

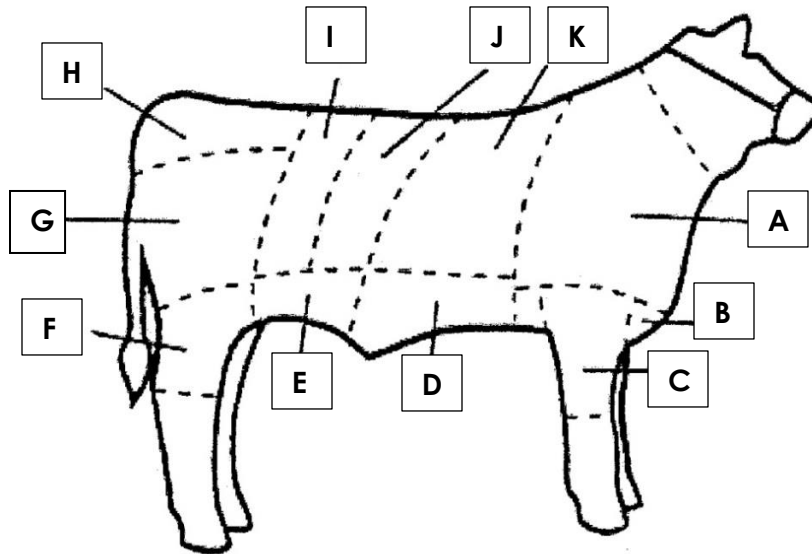
## **HALTER BREAKING YOUR PROJECT**

Circle the correct answer for each question:

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. Buyer batteries for the electric cattle prod
  
3. The second step to halter breaking is:
  - A. Finding someone that weighs more than the calf to drag the calf around
  - B. Tying the calf up for short periods of time while watching it constantly
  - C. Trading the cattle prod in for a pitchfork
  
4. The third step in halter breaking is:
  - A. Putting on your spurs and riding the calf around the barn yelling YEEEHAAW!
  - B. Letting your calf run free around the barn and try to at least hold on to the end of the halter
  - C. Leading your calf to feed and water everyday
  
5. Calves are trained to lead by using a:
  - A. Tractor
  - B. Local body builder
  - C. Patient, calm person
  
6. When things go wrong:
  - A. Take the calf to the sale barn and get another
  - B. Keep working until things go right
  - C. Lose your temper and hit things
  
7. 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
  
8. Calves need to wear halters:
  - A. Only long enough to break them to lead and then when you are working with them
  - B. From the time you first catch them to market
  - C. All day because the calf likes it when the halter grows into their nose
  
9. Calves need to be tied:
  - A. The whole time you own them, so they don'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



**RETAIL CUTS-** WRITE THE CURRENT CUT ON THE LINE IT MATCHES BELOW



**WORD BANK**

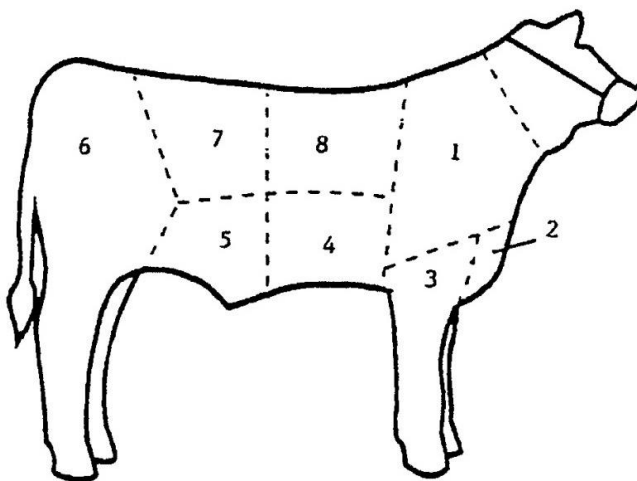
- Brisket
- Chuck Roast
- Flank Steak
- Ground Beef
- Rib Steak
- Round Steak
- Rump Roast
- Short Ribs
- Sirloin Steak
- Stew Beef
- T-Bone Steak

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_
- F. \_\_\_\_\_

- G. \_\_\_\_\_
- H. \_\_\_\_\_
- I. \_\_\_\_\_
- J. \_\_\_\_\_
- K. \_\_\_\_\_

**WHOLESALE CUTS OF BEEF**

Fill in the name of number that coincides with the correct part.



- \_\_\_\_ Brisket
- \_\_\_\_ Chuck
- \_\_\_\_ Flank
- \_\_\_\_ Loin
- \_\_\_\_ Plate
- \_\_\_\_ Ribs
- \_\_\_\_ Round
- \_\_\_\_ Shank

**YOUR PROJECT**

(Please answer to the best of your ability.)

1. What did you learn that you didn't know about your project? \_\_\_\_\_

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2. What are 2 marketable features of your animal that you would share with potential buyers?

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---

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

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---

4. Will you participate in the market steer project again? \_\_\_\_\_

Why or why not? \_\_\_\_\_

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**4-H INFORMATION**



**The 4-H Pledge**  
(fill in the blanks)

*I pledge...*

---

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**The 4-H MOTTO:**

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**What is one interesting thing that happened with your animal this year?**

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**POTENTIAL BUYER'S NAMES**

As part of your 4-H Market Livestock Project, you must personally contact at least three potential buyers before the Oceana County Fair. You are encouraged to try to seek at least 1 new buyer that have not been asked or submitted before. **Three different buyers than those of your siblings are required, 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 15 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 15-19)**

Name \_\_\_\_\_ Club \_\_\_\_\_

*Please print business names and complete addresses clearly.*

1. Contact Name \_\_\_\_\_  
Business Name \_\_\_\_\_  
**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ After Hours Phone \_\_\_\_\_  
Mailing Preference (Please Check One): Email \_\_\_\_\_ Postal Delivery \_\_\_\_\_  
Email \_\_\_\_\_  
Signature \_\_\_\_\_

2. Contact Name \_\_\_\_\_  
Business Name \_\_\_\_\_  
**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ After Hours Phone \_\_\_\_\_  
Mailing Preference (Please Check One): Email \_\_\_\_\_ Postal Delivery \_\_\_\_\_  
Email \_\_\_\_\_  
Signature \_\_\_\_\_

3. Contact Name \_\_\_\_\_  
Business Name \_\_\_\_\_  
**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ After Hours Phone \_\_\_\_\_  
Mailing Preference (Please Check One): Email \_\_\_\_\_ Postal Delivery \_\_\_\_\_  
Email \_\_\_\_\_  
Signature \_\_\_\_\_

**If you would like to contact additional buyers, you can use this page. If not, please throw this page out.**

**Contact Name** \_\_\_\_\_

Business Name \_\_\_\_\_

**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ After Hours Phone \_\_\_\_\_

Mailing Preference (Please Check One): Email \_\_\_\_\_ Postal Delivery \_\_\_\_\_

Email \_\_\_\_\_

Signature \_\_\_\_\_

**Contact Name** \_\_\_\_\_

Business Name \_\_\_\_\_

**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ After Hours Phone \_\_\_\_\_

Mailing Preference (Please Check One): Email \_\_\_\_\_ Postal Delivery \_\_\_\_\_

Email \_\_\_\_\_

Signature \_\_\_\_\_

**Contact Name** \_\_\_\_\_

Business Name \_\_\_\_\_

**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ After Hours Phone \_\_\_\_\_

Mailing Preference (Please Check One): Email \_\_\_\_\_ Postal Delivery \_\_\_\_\_

Email \_\_\_\_\_

Signature \_\_\_\_\_

## **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. The judges like if you caption your photos so they know what they are viewing)

NON-CLUB POINTS

**8 YEARS OLD & UP MUST COMPLETE- MARKET LIVESTOCK ANIMAL ASSOCIATION PROJECT ATTENDANCE RECORD**  
*(This must be filled out before presenting for signatures at the office.)*

MEETING NAME	LOCATION	DATE	POINTS	SIGNATURE OF LEADER, SUPERINTENDENT OR MSU STAFF

Please note: This form must be included with your record notebook and turned into the weigh master on entry day of the Fair. **BEFORE SEEKING SIGNATURES AT MSU EXTENSION – MEETING NAME AND DATE MUST BE COMPLETED.** 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. The **three (3)** non-club points must be earned from attending various 4-H events and activities. See your leader, the MSUE office, or online [https://www.canr.msu.edu/oceana/oceana\\_county\\_4\\_h/oceana\\_4\\_h\\_market\\_livestock](https://www.canr.msu.edu/oceana/oceana_county_4_h/oceana_4_h_market_livestock) for a listing of approved nonclub points.



CLUB POINTS

**MARKET LIVESTOCK ATTENDANCE RECORD- ALL AGES MUST COMPLETE**

Please note: This form must be included with your record notebook and turned into the weigh master on entry day of the

<b>MEETING NAME</b>	<b>LOCATION</b>	<b>DATE</b>	<b>POINTS</b>	<b>SIGNATURE OF LEADER, SUPERINTENDENT OR MSU STAFF</b>

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. The **three (3)** non-club points must be earned from attending various 4-H events and activities.