

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

**LAMB PROJECT - 2020**

**AGES 12-14**



As a member of the 4-H Market Livestock Lamb 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: \_\_\_\_\_

**Remember:** The age you enter depends on how old you are or will be on Jan. 1, 2020

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

If you are a little buddy who is your big buddy: \_\_\_\_\_

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

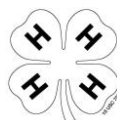
NAME \_\_\_\_\_

DATE OF BIRTH \_\_\_\_\_ GRADE \_\_\_\_\_  
                                    Month            Day            Year

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

BREED \_\_\_\_\_ LAMB'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 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: \_\_\_\_\_

---

---

**4-H MARKET LIVESTOCK LAMB NOTEBOOK- 2020**  
**AGES 12-14**

**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 EDUCATIONAL PROJECT KNOWLEDGE
  - a) Diseases- Matching
  - b) Breed - Matching
  - c) Lamb Facts- Multiple Choice
  - d) Parts of a Lamb
  - e) By-Products- Word Search
- 5) MY PROJECT INFORMATION
  - a) Your Project
  - b) 4-H Info & Activities
  - c) My 4-H Story
- 6) BUYERS NAMES
- 7) PICTURES OF YOUR PROJECT (1 page)
- 8) NON-CLUB/CLUB POINTS SHEETS

**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.*

This record is part of your 4-H Market Lamb Project work. 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.

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

- a. 4-H Market Livestock Lamb Project Rules
- b. Your Sheep – A Kid's Guide to Raising and Showing
- c. 4-H Skills for Life Animal Science Series – Lambs 1, 2 & 3  
(All swine leaders have a copy and copy available on check-out system at MSU Extension)
- d. Kansas State 4-H Online
- e. Lamb Resource Book (The Ohio State University 4-H)

## **JOURNAL OF ANIMAL 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 area & feed pans), halter breaking, training, had vaccinated, etc.* **\*\***

APRIL:

MAY:

JUNE:

**JOURNAL OF ANIMAL CARE  
(cont.)**JULY:AUGUST:

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  
(property owner name (

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  
If housed on own property

\_\_\_\_\_  
Date

## **PROJECT INFORMATION**

The start of the project will be the date the 4-Her placed the animal on feed, not any later than June 1st of the current year. The end of the project will be weigh-in day at the Fair.

Project Start Date \_\_\_\_\_ Project End Date \_\_\_\_\_

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

Please complete the following chart about your project.

4-H Ear Tag Number	Breed	Gender	Date of Purchase	Price or value	Estimated Starting Weight	Ending/Final Weight (FW)	Total Pounds Gained

Note: Total pounds gained = ending weight – starting weight

## **MONTHLY FEED RECORD & EXPENSES**

Month	Type of feed used- (grain, roughage, etc.)	Supplements (if any used)	Amount (indicate lbs., bales etc.)	Cost of feed used for the month
April				
May				

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

Month	Type of feed used- (grain, roughage, etc.)	Supplements (if any used)	Amount (indicate lbs., bales etc.)	Cost of feed used for the month
June				
July				
August				

**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.* Even if your parents pay for these items, figure out how much your animal needs and or uses as *this is an expense of YOUR project.*

[illegible]

**PROJECT EFFICIENCY INFORMATION***(using figures from page 4,5 and 6)*

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

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

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

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

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

Lambs 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 **breakeven (BE)** on your market lamb project.

$$\frac{\text{Total Expenses (TE)}}{\text{}} \div \frac{\text{Final Weight (FW)}}{\text{}} = \frac{\text{Break Even Price (BE)}}{\text{(or total cost per lb. to raise your animal)}}$$

What is the current selling price of lamb (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? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## **PROJECT KNOWLEDGE**

### **MARKETING**

One of the most important parts of any market animal project is marketing. This includes writing a letter, talking to buyers and making sure you thank your 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 before what did you do differently in marketing your animal this year?

---



---



---



---

### **MATCH THE LAMB DISEASES TO THEIR SYMPTOMS**

\_\_\_\_\_ Abscesses in the liver & leg joints. Lameness in the affected joint that will be hot, swollen & painful. Bacteria enter via the umbilical cord.

\_\_\_\_\_ Diarrhea (loose stool) leading to dehydration.

\_\_\_\_\_ Lambs become lethargic, have a high fever & may have labored breathing & a nasal discharge.

\_\_\_\_\_ A fatal disease affecting lambs that have been docked or castrated, especially with elastrator bands.

\_\_\_\_\_ A widespread disease in sheep. Affected animals stand with their backs arched & strain to pass urine. The animal may kick at the belly, prefer to lie down & appear dull and uninterested in feed or water.

\_\_\_\_\_ This has become a problem in recent years. This disease in lambs may first appear as 1 to 1 ½ inch circular patches of crusted wool or hair. Numerous patches may develop which grow longer and merge with others to produce large areas of raw seeping skin.

\_\_\_\_\_ Known as the “overeating disease” this disease is a common cause of death in lambs at any age.

- A. Club Lamb Fungus
- B. Navel Ill (joint ill)
- C. Scours
- D. Tetanus
- E. Urinary Calculi
- F. Pneumonia
- G. Enterotoxemia

**BREED MATCHUP -**

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

---

E T R D O S

White faced and legs. English breed.  
Small to medium in size. Polled with  
long wool.

---

O U B A C L M I

Large framed, white faced, dual-purpose  
breed Originating in the US. Produce  
heavy lambs & heavy dense fleece.  
Polled.

---

M O N E Y R

Large framed, fast growing, black face,  
and legs, polled. Has the most number  
of purebred registrations in the US.  
Known for its meatiness & high carcass  
quality.

---

A M P R E I H S H

(Horned or polled) white faced, meat  
breed known for out-of-season breeding.

---

F K F O U S L

Large framed, meat breed with wool cap  
and wool on legs. Partially closed face.  
Black face & legs. Polled.

---

P P A O Y L Y

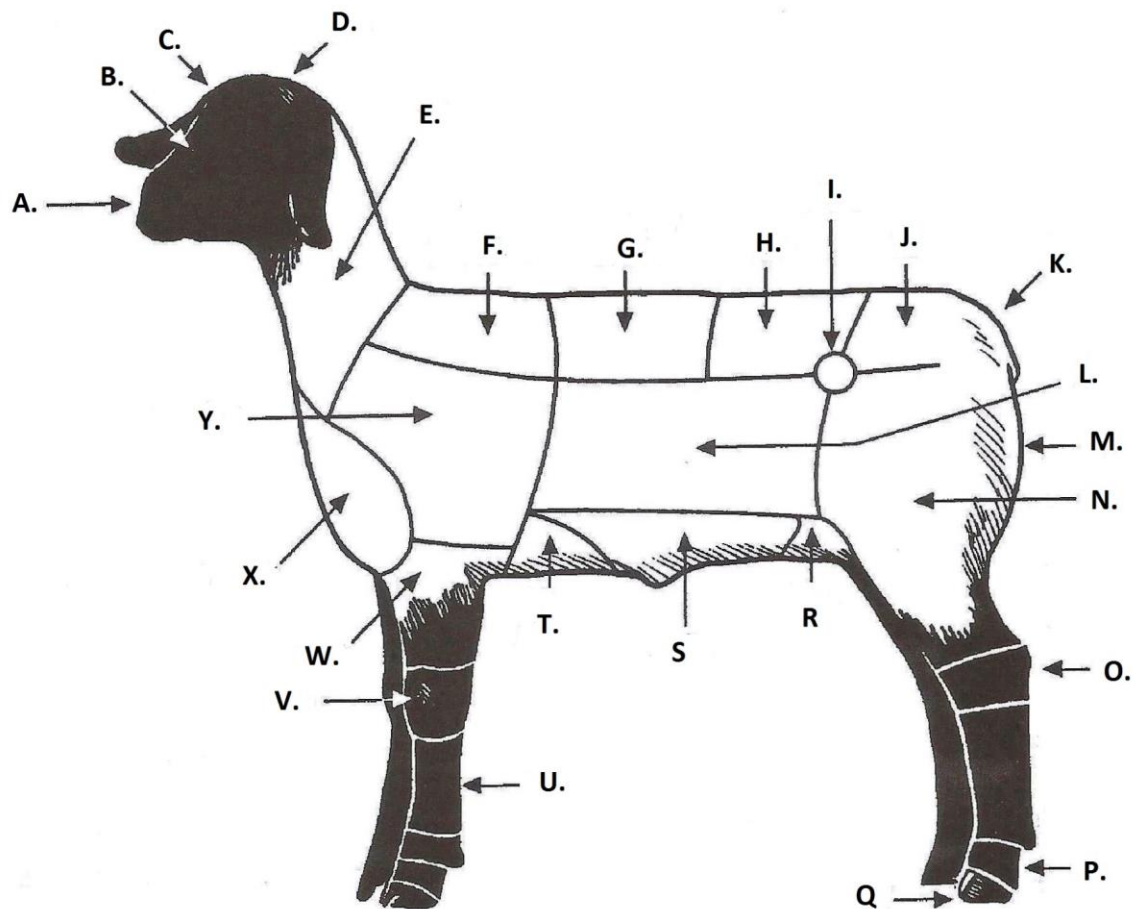
Medium to large in size, has a dark  
brown to grey face and is polled. They  
have a wool cap, and wool on the ears &  
legs. Good milkers with a fast growth  
rate.

---

D R O O X F

Developed in the US at the Sheep  
Experiment Station. This breed is  
medium-sized, white-faced, prolific and  
breeds out of season.

## PARTS OF THE LAMB IDENTIFICATION



This material is based upon work supported by Extension Service, United States Department of Agriculture, under special project number 93-EFSQ-4096.

**LEARNING LABORATORY KIT**

*Product distribution through Ohio Agricultural Curriculum Materials Service*

_____ Back/or Rack	_____ Forearm	_____ Knee	_____ Poll
_____ Belly	_____ Fore Flank	_____ Leg	_____ Rear Flank
_____ Breast/or Brisket	_____ Forehead	_____ Loin	_____ Rump
_____ Cannon	_____ Hips	_____ Middle	_____ Shoulder
_____ Dock	_____ Hock	_____ Muzzle	_____ Top Shoulder
_____ Face	_____ Hoof	_____ Neck	_____ Twist
		_____ Pastern	

**Lamb Facts ~ Multiple Choice**

Circle the correct answer.

1. Showmanship classes are judging classes for?
  - a. The animals conformation
  - b. The exhibitor handling the animal**
  - c. The animal in the pen
  - d. The club's decorations
2. A parasite is?
  - a. An organism that lives on another organism
  - b. A shot given to healthy sheep that prevents a disease
  - c. A virus that affects sheep
  - d. None of the above
3. Allowing lambs to eat as much as they want, whenever they want is known as?
  - a. Overeating
  - b. Feeding five times a day
  - c. Self-feeding
  - d. Low feed intact
4. This is the most important part of the sheep's diet?
  - a. Corn
  - b. Hay
  - c. Water
  - d. Oats
5. Which of the following is a wool term?
  - a. Kemp
  - b. Grease
  - c. Felting
  - d. All of the above
6. Which of the following is a wholesale cut?
  - a. Rack
  - b. Crown Roast
  - c. Ground Lamb
  - d. Riblets

**LAMB BY-PRODUCTS**

(find the following by-products in the puzzle below and circle them)

C	W	E	C	N	R	A	Y	G	O	B	P
S	G	U	R	L	U	E	M	I	C	H	E
E	I	G	A	C	N	I	S	S	T	H	L
N	E	B	E	L	S	T	I	U	N	T	T
I	H	E	C	O	S	M	E	T	I	C	S
C	W	E	S	T	G	G	R	U	E	A	N
I	H	A	L	H	P	U	W	R	P	N	M
D	Z	B	D	I	O	P	F	E	D	D	N
E	C	U	L	N	P	R	I	S	T	L	D
M	O	N	O	G	T	W	A	J	Y	E	M
R	T	N	M	A	E	F	I	L	M	S	K
L	A	N	O	L	I	N	W	P	O	M	L

**WORD BANK**

CANDLES  
CLOTHING  
COSMETICS  
FILM  
LANOLIN  
MEDICINES  
PELTS  
RUGS  
SUTURES  
YARN

**PROJECT RULES- True or False (circle the correct answer)**

- |   |   |   |
|---|---|---|
| 1. Your Lamb should be on feed by July 1 <sup>st</sup> ?  | T | F |
| 2. The minimum 4-H age to sell a market lamb at the Oceana Fair is 8?   | T | F |
| 3. Your list of potential buyers must be in the MSUE office by July 1 <sup>st</sup>   | T | F |
| 4. Your lamb's weight must be between 90-150 pounds for Fair?   | T | F |
| 5. You should grab your lamb by its fleece to move it in the ring?  | T | F |
| 6. Your notebook must be presented at weigh in at Fair?   | T | F |
| 7. You must have your notebook into the exhibit building by noon of entry day at the latest?  | T | F |
| 8. You need 2 different buyers than your siblings?  | T | F |
| 9. The lamb market project enrollment deadline is June 1 <sup>st</sup> ?  | T | F |
| 10. You must notify the MSUE office, in writing, by 4:00 p.m. on August 11 <sup>th</sup> , if changing to our registered backup animal? | T | F |

**YOUR PROJECT**

1. What did you learn, that you did not know, about your project?

---

---

---

---

2. What is the best feature(s) of your market lamb this year?

---

---

---

---

3. What feature(s) of your market lamb could use some improvement?

---

---

---

---

4. Will you participate in a market lamb project again? \_\_\_\_\_

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

---

---



**4-H INFORMATION****The 4-H Pledge**

I pledge.....

---



---



---



---



---



---

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


---



---

**4-H ACTIVITIES**

Number of club meetings held: \_\_\_\_\_ Number I attended: \_\_\_\_\_

**List any club activities in which you have:**

- Participated in
- Responsibilities which you have assumed

(for example: Community Service Events, workshops, judging contests, clinics, offices held, parades representing 4-H etc. If none, write none)

Activity	Date	Location	Placing, Position or Comments

### **MY 4-H STORY**

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

### ***POTENTIAL BUYERS 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**  
**LAMB PROJECT (AGES 12-14)**

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

***Please print business names and complete addresses clearly.***

1. Contact Name \_\_\_\_\_  
Business Name \_\_\_\_\_  
**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Signature \_\_\_\_\_
2. Contact Name \_\_\_\_\_  
Business Name \_\_\_\_\_  
**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Signature \_\_\_\_\_
3. Contact Name \_\_\_\_\_  
Business Name \_\_\_\_\_  
**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Signature \_\_\_\_\_
4. Contact Name \_\_\_\_\_  
Business Name \_\_\_\_\_  
**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Signature \_\_\_\_\_
5. Contact Name \_\_\_\_\_  
Business Name \_\_\_\_\_  
**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_  
Signature \_\_\_\_\_

(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).