As a member of the 4-H Market Livestock Lamb project you are required to submit your records as part of an educational notebook project 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 Jan. 1, 2018)

**Number of years in project:** _____

If you are a little buddy who is your big buddy: ________________________________

**NAME______________________________________**

**4-H CLUB____________________________________**

**BREED____________________________________LAMB’S NAME________________**

**LAMB’S DATE OF BIRTH_________________ DATE RECORD STARTED________________**

**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 keep 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: __________________________________________________________

_______________________________________________________________________

_______________________________________________________________________
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) Lamb Part Identification
   c) Wholesale Cuts
   d) Structural Soundness
   e) Breeds
   f) Project Knowledge

5) YOUR PROJECT INFORMATION
   a) Progress & Management Records
   b) 4-H Knowledge

6) BUYERS NAMES

7) NON-CLUB/CLUB POINTS SHEETS

8) PICTURES OF YOUR PROJECT (1 page)

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

Notebook Resources:
- *Your Sheep – A Kid’s Guide to Raising & Showing*
- National 4-H Supply (copy is available for review at MSU Extension)
- Animal Science Series – Sheep Series (can be reviewed at MSU Extension)
- Sheep Resource Handbook for Market & Breeding Projects book from The OSU Extension (copy available for review at MSU Extension)
**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 area & feed pans) halter breaking, training, had vaccinated, etc. **

**APRIL**

**MAY**

**JUNE**
JOURNAL OF ANIMAL CARE  
(cont.)

**JULY:**

**AUGUST:**

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            Date

*(if housed at home have parent sign)*
**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 lamb born? _____________________

Please fill in the following information about your lamb.

<table>
<thead>
<tr>
<th>4-H Ear Tag Number</th>
<th>Breed</th>
<th>Gender</th>
<th>Date of Purchase</th>
<th>Price or Value</th>
<th>Estimated Starting Weight</th>
<th>Ending Weight</th>
<th>Total Pounds Gained</th>
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Note: Total pounds gained = ending weight – starting weight

**MONTHLY FEED RECORD & EXPENSES**

<table>
<thead>
<tr>
<th>Month</th>
<th>Type of feed used- (grain, roughage, 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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<tbody>
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<td>April</td>
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<td>May</td>
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</table>
## MONTHLY FEED RECORD & EXPENSES (cont.)

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<tr>
<th>Month</th>
<th>Type of feed used- (grain, roughage, 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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</table>

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.

<table>
<thead>
<tr>
<th></th>
<th>Vet Charges</th>
<th>Bedding</th>
<th>Insecticides</th>
<th>Equipment</th>
<th>Trucking</th>
<th>Housing rent</th>
<th>Shearing or Clipping</th>
<th>Advertising/Marketing</th>
<th>Miscellaneous (specify)</th>
<th>Buyer Recognition</th>
<th>MONTHLY TOTAL</th>
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<td><strong>4-H Fee</strong></td>
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</tbody>
</table>
PROJECT EFFICIENCY INFORMATION

Value of Animal at Time of Purchase = __________

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

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

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

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

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 break even on your market Lamb 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 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 may include writing a 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 the market livestock before what did you do differently in marketing your animal this year?

COMMON DISEASES OF SHEEP

ACROSS:
1. The biggest problem in the sheep industry. It is a disease of the central nervous system. There is no known cure.
2. This “overeating” disease is from increasing the energy level of feed too rapidly. The only symptom is usually sudden death.
3. This disease is caused by a lack of selenium and/or Vitamin E in the lamb’s diet.

DOWN
4. A virus combined with stress causes the lamb to be lethargic, have a high fever and may have labored breathing & a nasal discharge.
5. A viral disease where blisters, pustules, ulcers, and scabs form on the lips especially but also on the face and ears. In severe cases sores form inside the mouth.
6. Diarrhea leading to dehydration caused by bacteria or a virus
**PROJECT KNOWLEDGE (continued)**

**Lamb Parts Identification**
Identify the parts and list them below with their correct description.

<table>
<thead>
<tr>
<th>Label</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.</td>
<td>Back or Rack</td>
</tr>
<tr>
<td>B.</td>
<td>Belly</td>
</tr>
<tr>
<td>C.</td>
<td>Breast or Brisket</td>
</tr>
<tr>
<td>D.</td>
<td>Cannon</td>
</tr>
<tr>
<td>E.</td>
<td>Dock</td>
</tr>
<tr>
<td>F.</td>
<td>Face</td>
</tr>
<tr>
<td>G.</td>
<td>Forearm</td>
</tr>
<tr>
<td>H.</td>
<td>Forehead</td>
</tr>
<tr>
<td>I.</td>
<td>Fore Flank</td>
</tr>
<tr>
<td>J.</td>
<td>Hips</td>
</tr>
<tr>
<td>K.</td>
<td>Hock</td>
</tr>
<tr>
<td>L.</td>
<td>Hock</td>
</tr>
<tr>
<td>M.</td>
<td>Hoof</td>
</tr>
<tr>
<td>N.</td>
<td>Hoof</td>
</tr>
<tr>
<td>O.</td>
<td>Neck</td>
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<tr>
<td>P.</td>
<td>Neck</td>
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<tr>
<td>Q.</td>
<td>Neck</td>
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<td>R.</td>
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<td>S.</td>
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<td>T.</td>
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<td>U.</td>
<td>Neck</td>
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<td>V.</td>
<td>Neck</td>
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<td>W.</td>
<td>Neck</td>
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<td>X.</td>
<td>Neck</td>
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<td>Y.</td>
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<td>Z.</td>
<td>Neck</td>
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</table>

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

Write the letter that corresponds to the correct WHOLESALE cut:

____ BREAST
____ FORESHANK
____ LEG
____ LOIN
____ RACK
____ SHOULDER

STRUCTURAL SOUNDNESS - Legs/Stance Front View

Which lamb would you choose? Put the letter to the correct description under the correct view.

A. KNOCK-KNEED
B. PIGEON-TOED
C. CORRECT
D. SPLAYFOOTED
E. BOWLEGGED
**BREEDS**
(match the breed from below with its definition)

___ This polled breed with black head, ears and legs has the most number of purebred registrations in the United States. It is known for its meatiness & high carcass quality. They are also known for their excellent growth rate and high cutability carcasses.

___ Originating in Southern England, these sheep can be polled, scurred or horned and are known for breeding out of season, being heavy milkers and producing more than one lamb crop per year. Hardy lambs yield heavy muscled carcasses.

___ This breed was developed in the US from a Lincoln ram and Rambouillet ewe cross and is known for its size, wool-producing ability, and productivity under range conditions. This breed is large, white-faced, polled and has wool on the legs.

___ This breed was developed in Southern England, these sheep are a large, moderately prolific breed with wool caps, black or deep brown faces, ears and legs and medium-wool fleeces. They also have very good milking ability, growth and carcass cutability.

___ This breed, highly adaptable to a variety of climates, was developed in Scotland. These small-sized, white-faced sheep with bare heads and legs are moderately prolific, easy lambers, good milkers, and possess excellent lamb vigor.

___ An English breed resulting from a Hampshire and Cotswold cross this breed is 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 and legs. They are good milkers, prolific, and have a fast growth rate.

___ An English breed that is small to medium in size, this breed has a white face and legs. They are polled and have long wool.

___ Developed in France, this long-lived, rugged breed will breed out of season and has wool that is fine in fiber diameter. These sheep are large, white-faced, with wool on the head and legs, and can be polled or horned.

**BREEDS:**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>A.</td>
<td>CHEVIOT</td>
<td>D.</td>
</tr>
<tr>
<td>B.</td>
<td>COLUMBIA</td>
<td>E.</td>
</tr>
<tr>
<td>C.</td>
<td>DORSET</td>
<td>F.</td>
</tr>
</tbody>
</table>
PROJECT KNOWLEDGE (continued)

1. What are 3 signs of a sick sheep?
   _______________________________. _______________________________.
   _______________________________.

2. Name 5 sheep by-products: _______________________, _______________________,
   _______________________, _______________________, _______________________.

3. Name the 5 nutrient groups: _______________________, _______________________,
   _______________________, _______________________, _______________________.

4. Which nutrient group is most important? _________________________________

5. Name 3 Animal Agricultural Careers:
   _______________________, _______________________, _______________________.

6. What measures did you take to protect your feed from pests & contaminants?
   ___________________________________________________________________________
   ___________________________________________________________________________
   ___________________________________________________________________________
PROJECT PROGRESS AND MANAGEMENT RECORD

1. When you selected your market lamb what factors did you consider?
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

2. What was the best feature of your market lamb this year?
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

3. What feature of your market lamb could use improvement?
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

4. Explain how you trained and prepared your animal(s) for show.
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

5. What were your 4-H and project goals for the 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, and offices held)

<table>
<thead>
<tr>
<th>Activity</th>
<th>Date</th>
<th>Location</th>
<th>Placing, Position or Comments</th>
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</table>

1. **What does 4-H mean to you?**

2. **List at least 2 ways you helped or taught other 4-H youth in your club, or another club, this year:**

   __________________________________________
   __________________________________________
   __________________________________________
**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 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** ____________________________________________
   Phone ________________________________________________________
   **Signature** _________________________________________________

2. Contact Name ________________________________________________
   Business Name ________________________________________________
   **Mailing Address** ____________________________________________
   Phone ________________________________________________________
   **Signature** _________________________________________________

3. Contact Name ________________________________________________
   Business Name ________________________________________________
   **Mailing Address** ____________________________________________
   Phone ________________________________________________________
   **Signature** _________________________________________________

4. Contact Name ________________________________________________
   Business Name ________________________________________________
   **Mailing Address** ____________________________________________
   Phone ________________________________________________________
   **Signature** _________________________________________________

5. Contact Name ________________________________________________
   Business Name ________________________________________________
   **Mailing Address** ____________________________________________
   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. The judges appreciate captions so they know what the picture is portraying.