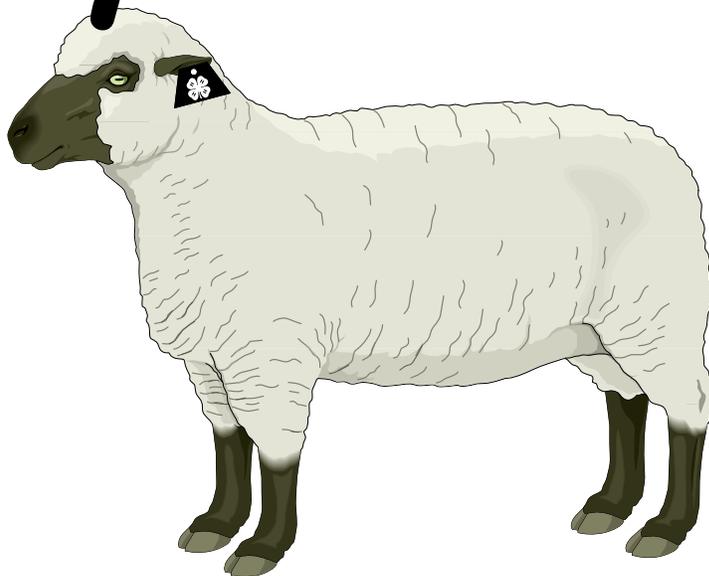


# Bay County



## Market Sheep Project Record Book 16-19 Years Old

Name: \_\_\_\_\_

4-H Club: \_\_\_\_\_

Leader: \_\_\_\_\_

Age: \_\_\_\_\_ Number of Years Showing Sheep: \_\_\_\_\_

Record Started: \_\_\_\_\_ Record Closed: \_\_\_\_\_  
Month/Day/Year Month/Day/Year

Revised 02/08

*Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, marital status, family status or veteran status.*

**MICHIGAN STATE  
UNIVERSITY  
EXTENSION**

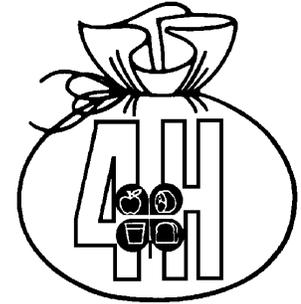


## Why Keep Records?

Keeping records on your project can be interesting and fun - not dull or boring.

Good Records will:

- Help you learn about animals, their rate of growth, the feed they require, the cost of the feed and their habits.
- Help you plan future projects.
- Let you know if you made or lost money and how much.
- Improve your management practices.
- Give you a record of your project activities.



Keep

this record as part of your Personal 4-H Records. This information is helpful for you to plan future year's market projects as well as if you ever apply for 4-H awards or a 4-H scholarship.

Remember - Records are no better than what YOU put into them!

Leaders Comments:

---



---



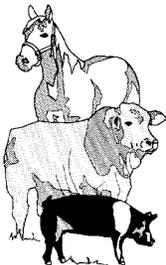
---

Leader's Signature: \_\_\_\_\_

## Objectives:

To let 4-H Members:

- Experience the obligation and responsibility required in a livestock enterprise.
- Experience and cope with the "values" and "attitudes" of responsibility, in a relatively unsupervised environment. Supervision will be on a periodic basis.
- Contribute to the family table with meat, or to experience the marketing process and system, through sale of the product.
- Experience competition through showing the animal at local area organization sponsored shows, the fair, and state wide shows.



Ionia County MSU Extension  
50 E. Sprague Rd.  
Ionia, MI 488496  
616/527-5357





# Bay County 4-H Sheep Program

Member's Achievement Summary

20\_\_\_\_

Your Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Age (as of 1/1 of this year): \_\_\_\_\_

School Attending: \_\_\_\_\_ Grade: \_\_\_\_\_

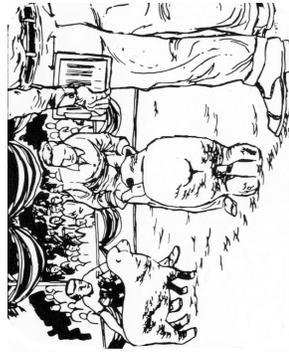
Number of years showing sheep in Montcalm County: \_\_\_\_\_

Have you participated in sheep projects outside of the county?  Yes  No

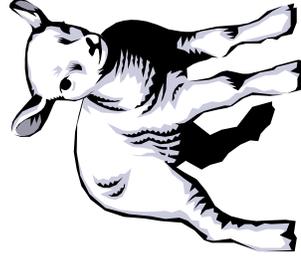
If Yes, list the activities and the number of years in each:

List some of the Sheep project activities you would like to participate in (outside of the fair) such as, trips, shows, clinics/workshops, posters/projects, demonstrations, quiz bowl, and judging team and WHY:

What do you want to improve this year in your sheep project?



# My Market Sheep Project Animal(s)



| Sheep Number | Name | Breed(s) | Purchased ( P )<br>Or<br>Raised ( R ) | Sex | Beginning Weight |        | Finished Weight |        |
|--------------|------|----------|---------------------------------------|-----|------------------|--------|-----------------|--------|
|              |      |          |                                       |     | Date             | Method | Date            | Method |
|              |      |          |                                       |     |                  |        |                 |        |
|              |      |          |                                       |     |                  |        |                 |        |
|              |      |          |                                       |     |                  |        |                 |        |
|              |      |          |                                       |     |                  |        |                 |        |
|              |      |          |                                       |     |                  |        |                 |        |
|              |      |          |                                       |     |                  |        |                 |        |
|              |      |          |                                       |     |                  |        |                 |        |

The method of weight is asking how you measured your animal's weight. There are many ways to weigh your market animal. If the young animal is light enough, you can use your own home scale – Just weigh yourself holding the animal and without the animal. Subtract the difference and you will have your animal's weight. Other methods of recording a weight for your market lamb are a traditional livestock scale. Close approximations with tools such as a weight tape are also methods of measuring a weight. Be sure to describe your method of measurement on this worksheet. **Beginning weight is done at Spring weigh-in and Final weight is at the Ionia Free Fair weigh-in.**

# My 4-H Sheep Project Photographs

Be creative. The more photograph the better, but a completed record book should at least have a beginning photograph and a finished picture. You are encouraged to be in the photo with your project animal(s) and include more photographs. You should also include captions on your pictures that at least include the date of the photograph. You may use additional pages.



## My 4-H Sheep Project Feed Record and Expenses

In this section, you will calculate your cost to feed your market lambs. Record by months amounts of feed purchased, weighed out or fed during each month. For grain minerals, record the amount and cost of grain, amount and cost of minerals including commercial mixture (protein, mineral, salt, etc.) Brand names do not matter but content and cost do. Home grown feed should be listed by fair market value. To simplify this chart, you do not have to weigh your feed every feeding. Averages are ok and encouraged. This report should be for the animals that you are planning to take to the fair. If you are feeding more animals than your market sheep, simply find the average price per lamb and multiply the average by the number of animals that you are exhibiting at the fair.

| Feed Type  | May | June | July | Total                  |
|--|-----|------|------|------------------------|
| <b>Type of Grain:</b>  |     |      |      |                        |
| Number of lbs. used:   |     |      |      |                        |
| Cost per lb:   |     |      |      |                        |
| Monthly Cost:  |     |      |      |                        |
| <b>Type of Concentrates:</b>                                     |     |      |      |                        |
| Number of lbs. used:   |     |      |      |                        |
| Cost per lb:   |     |      |      |                        |
| Monthly Cost   |     |      |      |                        |
| <b>Type of Minerals:</b>   |     |      |      |                        |
| Number of lbs. used:   |     |      |      |                        |
| Cost of Feed per lb  |     |      |      |                        |
| Monthly Cost   |     |      |      |                        |
| <b>Type of Hay (Grass/Alfalfa):</b>                              |     |      |      |                        |
| Number of bales fed:   |     |      |      |                        |
| Cost per bale:   |     |      |      |                        |
| Monthly cost:  |     |      |      |                        |
| <b>Monthly Feed Totals</b><br>Find the sum of your monthly costs |     |      |      | <u>Total Feed Cost</u> |

Monthly cost (feed) = Cost of the feed (per lb.) X lbs. used

Monthly cost (hay) = number of bales fed X cost per bale (market price)

# My 4-H Sheep Project Feed Ingredients

Attach a Feed Ingredients Slip/Nutritional Analysis from each of your feed sources. If the feed is mixed in a mill, ask the mill operator for a list of ingredients. If a slip is not available, please describe your feed sources as best as possible.



Answer the following questions based on the feed you are using for your project lambs:

1. What stage diet is your feed?
2. Is your feed medicated?
3. What crude percent protein is in your feed?
4. How much crude fat is in your feed?
5. What concentrate feedstuffs are included in your feed?

## My 4-H Sheep Project Expenses on Project Animal

In this section, you will calculate your cost to prepare your market sheep project for the fair and auction. Please feel free to include attachments of actual expenses with your record book.



| Expense Items  | May | June | July | Project Totals (\$) |
|--|-----|------|------|---------------------|
| Monthly Feed Totals<br>(From page 8)                                     |     |      |      |                     |
| Veterinary Charge  |     |      |      |                     |
| Bedding  |     |      |      |                     |
| Insecticides   |     |      |      |                     |
| Fitting and Showing Supplies   |     |      |      |                     |
| Trucking   |     |      |      |                     |
| Marketing of Animal (Buyer letters, goodies, postage, ads, mileage, ect) |     |      |      |                     |
| Miscellaneous  |     |      |      |                     |
| Monthly Totals   |     |      |      |                     |

TOTAL EXPENSES FOR THIS ANIMAL







## Your Market Sheep Project Break Even Price

4-H animals are sold by the pound at our 4-H Livestock Auction. Find out what bid price (per lb.) you need to get at the 4-H Livestock Sale to **break even** on your 4-H Market Sheep Project.

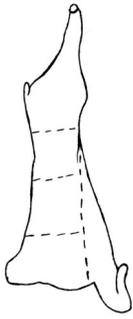
|                | A              | B  | C                                 | D                                   | E                            | F   |
|----------------|----------------|--|-----------------------------------|-------------------------------------|------------------------------|---|
|                | Ear Tag Number | Average Total Expenses per Market Animal (from pg. 9, E) | Purchase Price/Value (from pg. 4) | Total Animal Expense<br>$D = B + C$ | Finished Weight (from pg. 4) | Break Even Price/Pound<br>$F = D/E$<br>(\$/lb.) |
| Sale Animal #1 |                | Note: This number is the same for each lamb.             |                                   |                                     |                              |   |
| Sale Animal #2 |                |  |                                   |                                     |                              |   |
| Other          |                |  |                                   |                                     |                              |   |

What is the current market price of sheep (per lb.)?

\$ \_\_\_\_\_

What does your Average Daily Gain (pg. 9, M) tell you about your market lamb?

Sheep producers must try to reduce their Cost Per Pound of Gain (pg. 9, N) while maintaining a proper Average Daily Gain. What are some ways that you can reduce your cost per pound of gain and maintain or increase your average daily gain?



# Grade That Carcass

What two types of grading determines the value of a sheep carcass?

Explain how you can determine the difference between lamb carcasses and mutton carcasses:

Explain Flank Streaking and how it is used to help figure a final quality grade for a sheep's carcass:

What does the Final Quality Grade tell the consumer about the meat?

Would a low-fat, heavy-muscled carcass or a high-fat, poor-muscled carcass have a higher yield grade?

Explain what Yield Grade tells you about the carcass:

## **My Market Sheep Project– Extra Credit**

An outstanding 4-H project is one that goes above and beyond what is expected. This section will help you identify projects that you can do to enhance your learning about your market lamb. Please check the project that you have completed

**Write a report on one of the following topics. Report must be at least one page:**

- Folkpatterns:*** Visit with a former sheep or livestock farmer to compare and contrast today's Sheep Projects with those in the past. What is better today? What was better in the past? **OR** Describe the significance of using wool in your family's history.
- Leadership:*** How you have become a better leader through your years in the 4-H Sheep Project. Describe what you have done and how you have grown.
- Animal or Veterinary Science:*** Describe the proper care and nutrition of your market animal **OR** a veterinary practice, procedure in sheep. Other sheep topics may be used for your report.

***Photography Report.*** All photos are to be taken by the exhibitor (you). Choose *one* of the following topics:

- My Sheep Project:*** Keep a photo journal of your market sheep project. Photographs should represent the entire length of the project. A minimum of 12 photos from eight DIFFERENT TIMES must be included. Photos do not all have to be of the animal. They could be of club meetings, field trips, shows, etc.
- Farm Visit:*** Create a photo journal of a large sheep operation. A minimum of 12 photographs are required.

***Entomology:***

- Create an Insect Collection with a minimum of 8 insects that affect sheep. Note: this could be pests, such as flies and mosquitoes or insects that eat crops that sheep use as feed, such as corn, hay or oats. You can include insects that can eat and destroy wool

***Environmental Science:***

- Draw a diagram of your sheep set up. From that diagram, show how you can protect resources, such as groundwater. Include manure management and storage of hazardous materials. Check with MSU Montcalm Extension's groundwater resources for more information.

***Foods and Nutrition:***

- Outline the nutritional content of Sheep (it varies depending on the cut.) Include sample recipes of "healthy" sheep foods.

***Clothing/Textiles:***

- Create a display that shows wool production from the raw farm product to the shelves in a store **OR** display a sewing project from wool.

***Plant Science:***

- Create a display of field crops that are beneficial to a lamb's diet **OR** using actual samples create a project that outlines a certain agriculture food source from seed to feed.

## 16 - 19 4-H Sheep Record Book Score Sheet

| Page   | NAME:   | Points Possible | Your Points |
|--|---|-----------------|-------------|
| 1 - 2  | <b>COVER SHEET &amp; WHY KEEP RECORDS</b>   | <b>5</b>        |             |
|  | All information is completed and has Leader's Signature.                              |                 |             |
| 3  | <b>MEMBER ACHIEVEMENT SUMMARY</b>   | <b>5</b>        |             |
|  | All Information is neat and complete. All questions are answered.                     |                 |             |
| 4  | <b>4-H SHEEP PROJECT ANIMALS</b>  | <b>10</b>       |             |
|  | Information complete on <i>PRIMARY</i> animal. All weights/prices recorded.           |                 |             |
| 5  | <b>4-H PROJECT PHOTOGRAPHS</b>  | <b>5</b>        |             |
|  | A beginning and finished photograph is included.                                      |                 |             |
| 6  | <b>MONTHLY FEED COSTS</b>   | <b>10</b>       |             |
|  | Table completed & totals tabulated.   |                 |             |
| 7  | <b>FEED INGREDIENTS</b>   | <b>15</b>       |             |
|  | Feed slip attached <u>OR</u> the ingredients are listed                               |                 |             |
| 8  | <b>PROJECT EXPENSES</b>   | <b>10</b>       |             |
|  | Table completed and total expenses calculated.  |                 |             |
| 9  | <b>WEIGHT RECORD</b>  | <b>10</b>       |             |
|  | Calculations are completed and questions answered.                                    |                 |             |
| 10   | <b>MARKET SHEEP BREAK EVEN PRICE</b>  | <b>10</b>       |             |
|  | Calculations completed and questions completed.                                       |                 |             |
| 11   | <b>MARKETING</b>  | <b>10</b>       |             |
|  | Questions answered and samples of a marketing letter and thank you note are attached. |                 |             |
| 12   | <b>GRADING THAT CARCASS</b>   | <b>10</b>       |             |
|  | Worksheet completed.  |                 |             |
|  | Judges Comments:  |                 |             |
|  |   |                 |             |
| <b>TOTAL POINTS:</b> A: 80 – 100, B: 60 – 79, C: 10 – 59 |   |                 |             |