



# Michigan 4-H Animal Market Project Record Book 2024 U.P. State Fair Version Advanced (14-19 YRS)

**SPECIES:    SHEEP [ ]    BEEF [ ]    SWINE [ ]    MEAT GOAT [ ]**

**IMPORTANT: In order to participate in the junior market livestock sale, exhibitors are required to submit a completed market livestock record book and achieve a minimum score of 40 in the scoring rubric.**

After the records have been judged, they should be picked up at the beef show arena at 1:00 p.m., Friday of the fair. Books not collected at this time will be left at the species superintendent office.

**PLEASE TYPE, PRINT, OR WRITE CLEARLY.**

The record book needs to be completed by the exhibitor.

**ALL MARKET RECORD LIVESTOCK BOOKS ARE DUE by 1:00 PM EDT: Monday, August 12, 2024**

NAME AND EXHIBITOR NUMBER MUST BE PRINTED LEGIBLY ON THE FRONT COVER OF THE MARKET LIVESTOCK RECORD BOOK.

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

**U.P. State Fair Exhibitor No.** \_\_\_\_\_

**EXHIBITOR CELL PHONE NUMBER** \_\_\_\_\_

(best # to reach you during fair week)

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

**Club Leader** \_\_\_\_\_

**County** \_\_\_\_\_

**Years in Project** \_\_\_\_\_

**Official Fair Age** \_\_\_\_\_

(Fair age is the exhibitor's age on January 1 of the year of the fair)

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

Date of Birth: \_\_\_\_\_

I hereby certify that, as the exhibitor of this project, I have personally been responsible for the care of this animal, record keeping, and have completed this record book. I am aware that this record book may be on display during the auction and/or fair, and thus all content will be appropriate.

Youth Signature: \_\_\_\_\_ Date: \_\_\_\_\_

I, the parent/guardian, certify that my son/daughter has completed this project and completed this record book and will comply with all rules and regulations. I give permission for this record book to be displayed to the public and will ensure that all content is appropriate.

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*RECORDS START WITH POSSESSION OF YOUR ANIMAL(S) AND END WITH FAIR WEEK ESTIMATES!\*\***



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

## Why Keep Records?

By keeping records, you will be able to see how much progress you make this year and over the course of your 4-H career as you set goals and work to accomplish them.

Good records will:

- Help you learn about animals, their rate of growth, the feed they require, the cost of the feed they require and their habits.
- Increase understanding of your project's financial outcome.
- Assist you in gathering information to market your animal.
- Improve your management practices.
- Keep track of your project activities and learning experiences.
- Allow you to better plan for future livestock projects.

If you have questions or need help on this record book, please contact your leader, parent/guardian, or County MSU Extension Office.

PLEASE PRINT OR WRITE CLEARLY.

### Animal Information

**(Submit one completed record book for each market species)**

Name and/or description of animal(s): \_\_\_\_\_

Breed(s): \_\_\_\_\_

Identification of animal(s) (Tattoo/Ear tag/Fair tag number): \_\_\_\_\_

Estimated Birth date of animal(s): \_\_\_\_\_

Date of ownership or purchase date: \_\_\_\_\_

Estimated beginning value of animal(s): \_\_\_\_\_

Transfer this number to page 12-a. If more than one animal, divide by the number of animals)

**Please tell us about your project animal** (check all that apply):

- Purchased my project animal(s) cost \_\_\_\_\_
- Project animal(s) are bred & owned (from an animal on my family farm)
- Other (please explain): \_\_\_\_\_

Comments by Leader/Parent (optional): \_\_\_\_\_

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

**This Year's Project Goals**

Complete this portion of the record book pre-project or once animals are purchased.

Date this page completed: \_\_\_\_\_

Please explain three goals that you have for your animal(s) project:

- 1. \_\_\_\_\_  
\_\_\_\_\_
- 2. \_\_\_\_\_  
\_\_\_\_\_
- 3. \_\_\_\_\_  
\_\_\_\_\_

Please list three potential buyers you plan to approach this year:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Please list three communication strategies you plan to utilize this year:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Please list three marketing strategies you plan to utilize this year:

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_

Anticipated Income from animal(s): \_\_\_\_\_

**Marketing Materials**

Please attach any marketing materials you utilized during your project (buyers letters, social media posts, elevator pitches, flyers, etc.)

<b>Herd Health Plan</b>		
Project Owner Information		Physical Address where animal is housed
Name		
Phone		
	purchase price or estimated value of the animal	
Breeder		
Veterinarian Contact Information		
Name		
Phone		
Address		

What is the target weight for your animal?	
Describe your animal housing/barn/facility	
List 5 biosecurity protocols you have implemented in your plan.	
What did you do to keep your animal healthy? (Consider the Five Freedoms of Animal Welfare)	

Please use additional sheet if needed.

**Herd Health Plan: Production Calendar-** Complete this calendar **before** you take possession of your animal to plan how you will manage and care for your animal. Focus on animal care. Include information regarding animal housing, biosecurity protocols, treatment protocols and any notes of feed types you may use. This is a projection. Project your estimated cost.

January	General Management	Feeding	Health
February	General Management	Feeding	Health
March	General Management	Feeding	Health
April	General Management	Feeding	Health

### Herd Health Plan: Production Calendar

May	General Management	Feeding	Health
June	General Management	Feeding	Health
July	General Management	Feeding	Health
August	General Management	Feeding	Health









**Feed Record— record any protein supplements or roughage purchased  
(Add additional pages if needed)**

- Record the commercial name of the supplement as it appears on the label or the type of roughage.
- Record the date feed was purchased, weight (lbs.), and cost
- Determine the price per pound of purchased feed for the “price per pound” column. (cost ÷ pounds)
- If using home-grown feed, the estimated value of needs to be included as the cost.

date purchased	supplement/roughage	lbs.	price per pound	cost

(add column)

(add column)

TOTAL LBS  
PURCHASED

TOTAL  
COST

**Feed Expense Calculations**

**Total cost of feed purchased**  
(add total of grain/complete and protein supplements /roughage charts)

(Box 1)

**Total pounds of feed purchased**  
(add total of grain/complete and protein supplements/roughage charts)

(Box 3)

**ENDING INVENTORY**-calculate the amount of feed left at the end of your project

lbs. left

(Box 2)

**VALUE**  
(lbs. left X price per pound)

(Box 4)

**TOTAL POUNDS FED**-Subtract the feed left (Box 2) from Total lbs. purchased (Box 3)

(Box 5)

Transfer this to number to page 12-b

**TOTAL AMOUNT SPENT**- subtract the value of feed left (Box 4) from total cost of feed purchased (Box 1)

(Box 6)



## Weight Record (Add additional pages if needed)

Animal ID: _____	
Date	Weight
(Beginning)	
(Final)	

Use one charts for each market animal.

Animal ID: _____	
Date	Weight
(Beginning)	
(Final)	

It is recommended to weigh or tape your animal(s) at least once each month or more as appropriate for your species.



### My Project Efficiency Information

Complete the information below based on one of your market animal(s) raised.

$$1. \frac{\text{Total lbs. of Gain (a)}}{\text{Days on Feed}} = \text{Average Daily Gain}$$

(Page 11) final weight – beginning weight) (Date of purchase - estimated sale date) (Amount of weight animal gained each day)

$$2. \frac{\text{Total Feed Cost}}{\text{Total lbs. of Gain (a)}} = \text{Feed Cost per lbs. of Gain}$$

(Box 6 Page 10 total divided per animal)

$$3. \frac{\text{Total lbs. of Feed Fed}}{\text{Total lbs. of Gain (a)}} = \text{Lbs. of Feed Fed per lbs. of Gain}$$

(Box 5 Page 10 total divided per animal)

Why is it important to calculate each of the factors above when raising animal(s)?

1. Average Daily Gain: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Feed Cost per lbs. of Grain \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Lbs. of Feed Fed per lbs. of Gain \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **Beginning Project Picture**

Take a photo of your project animal(s). Date of photo: \_\_\_\_\_

## **Ending Project Pictures**

Take a photo of your project animal(s) at the end of your project. This will help indicate how your animal(s) have grown and developed.

Date of ending photo: \_\_\_\_\_

## **Project Reflection:**

Please respond to the following questions (additional pages can be added).

1. What does quality animal care involve?

2. What are the six pillars of character? Give an example of how each can be applied to raising or showing livestock.

3. List and describe two steps you can put into place to improve the biosecurity of your 4-H project animals?



## **Project Reflection Bonus Questions:**

Please respond to the following bonus questions to increase your final score.  
(additional pages can be added)

1. What did you learn in the project this year? Where or how?

2. Describe three ways to administer medication to your animal.

3. Describe conformation and why it is important to a market animal.

Scoring



**Advanced**

PAGE	CONTENT	POINTS POSSIBLE	SCORE
Cover	Exhibitor Information	2	
2	Animal Information	2	
3	Goals	6	
3	Potential Buyers	3	
3	Communication Strategies	3	
3	Marketing Strategies	3	
3	Marketing Materials	8	
4	Herd Health Plan	10	
5-6	Herd Health Plan Production Record	9	
7	Inventory of Supplies	4	
8	Expenses Record	5	
9- 10	Feed Record	5	
10	Feed Expense Calculations	4	
11	Weight Record	5	
12	Break Even Calculations	6	
13	Project Efficiency Information	6	
14	Project Photos	4	
15	Question 1	5	
15	Question 2	5	
15	Question 3	5	
<b>TOTAL POINTS</b>		<b>100</b>	

Name

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Club

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BONUS POINTS			
PAGE	CONTENT	POINTS POSSIBLE	SCORE
16	Question 1	5	
16	Question 2	5	
16	Question 3	5	

**Judge's Comments**