



# Michigan 4-H Animal Market Project Record Book 2025 U.P. State Fair Version Advanced (17-20 YRS)

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

**NO BINDERS or PAGE PROTECTORS!**  
All record books must be either in a two-sided folder or stapled.

**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 can be picked up outside the species superintendent office in each barn after 1:00 p.m., Friday, August 15<sup>th</sup>

**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 11, 2025**

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

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

**EXHIBITOR CELL PHONE NUMBER** \_\_\_\_\_  
(best # to reach you during fair week)

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

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

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

**Official Fair Age** (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.

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): \_\_\_\_\_

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

**Benefits of Keeping Record**

Providing quality care for your animal each day is important and rewarding. Making sure you record the care and medical treatments your animals receive is just as important as giving them the care. List five benefits of keeping records for your market animal project:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

**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 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

### Inventory of Supplies and Equipment

This is a record of what you have before you start your project, borrow, or utilize from your club. It can include items listed under equipment and supplies in your expenses record.

item description	quantity	borrowed or club equipment Y/N



## Expense Record

Record all expenses, including date of purchase, description of the expense, and cost.

**Health costs**-include vaccinations, medications, treatment for parasite control, and hoof trimming, ,vet fees, cost of any required health tests

**Equipment**-include blowers, trimming chute, clippers, show sticks, halters, brushes, combs, hoses, feeders, pitchforks, wheelbarrow, stalls, show boxes, fences

**Facility costs**-include estimated cost of utilities to house your animal, bedding, repairs, housing rent/lease fees

**Advertising/Marketing**- include cost of buyer's letters, printing, postage, promotion, and buyer gifts

**Transportation**-include costs to transport the animal to and from weigh-ins, buyer visits, and to the fair

**Supplies**- include costs for show shampoos, grooming products, clipping/shearing fees, show clothes, stall decorations

**Registration/certification fees**- include fair fees, fair pass, DNA testing, YQCA certification costs, lost tag fees

date purchased	item description	cost

(add column)

TOTAL EXPENSES\*

Transfer this number to page 12-c



**Feed Record -record grain or complete feed purchased.**  
**(Add additional pages if needed)**

- Record the date feed was purchased.
- Record the commercial name of feed purchased as it appears on the label and record the percentage of crude protein in the feed
- Record the amount (lbs.) and cost
- Determine the price per pound of purchased feed for (cost ÷ lbs.)
- If using home-grown feed, the estimated value needs to be included as the cost.

date purchased	feed name	% crude protein	lbs.	price per pound	cost

(add column)

(add column)

TOTAL LBS  
PURCHASED

TOTAL  
COST

**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 Animal:

(Please complete page 7 for each market animal – make additional copies of this form as needed)

Ear Tag Number	Sex	Breed	Date Acquired	Beginning Weight	Final Weight (A)

NOTE: The final weight can be determined by weight tape, scale at home or at the fair. This can allow the exhibitor to complete record book prior to the fair.

## My Estimated Project Income:

$\frac{\text{Market Price}^*}{\text{Final Weight (A)}} \times$	$=$	$\frac{\$ \text{EXPECTED MARKET INCOME}}$	
<p>*Market Price - is the price you would receive under normal sale conditions (such as an auction sale yard). These prices are published in agriculture newspapers, magazines, or TV and radio farm reports and online.</p>		$+$	$\frac{\$ \text{OTHER INCOME}^{**}}{=} \quad \boxed{\phantom{000000}}$
			<p><b>Total Expected Income</b> (Add expected market income and other income)</p>

\*\*OTHER INCOME could include premiums from another show, sale of by-products (wool, eggs, manure, etc.), etc., generated prior to the fair.

## My Project Expenses:

	VALUE	
Purchased Animal = List Price (page 2) <b>or</b> Raised Animal = List Value at Start of Project	a \$	
Total Feed Costs Per Animal from Monthly Feed Record Worksheet (box 6 page 10)	b \$	
Total Cost Per Animal from Expenses Record (page 8)	c \$	
<b>TOTAL EXPENSES (a+b+c)</b>	<b>\$</b>	$\Rightarrow$ <span style="border: 1px solid black; display: inline-block; width: 150px; height: 40px; vertical-align: middle;"></span>

**Total Expenses**

## Formula to Calculate Your Breakeven Price:

$$\frac{\$ \text{Total Expenses}}{\text{Final Weight of Animal (A)}} = \$ \text{Breakeven Price (Price per pound needed to cover expenses)}$$

### 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. List the three ways feed is used by your animal and describe each.

2. What are the benefits of minerals for your animal? List two macro minerals (required in larger amounts) and two trace minerals (required in smaller amounts). Describe the function of each mineral listed.



3. Pastures often contain weeds that are potentially dangerous to livestock. Name 4 plants that could be found in a pasture that could have harmful effects to your animal and how they are dangerous (poisonous, organ failure, physical injury, etc.)



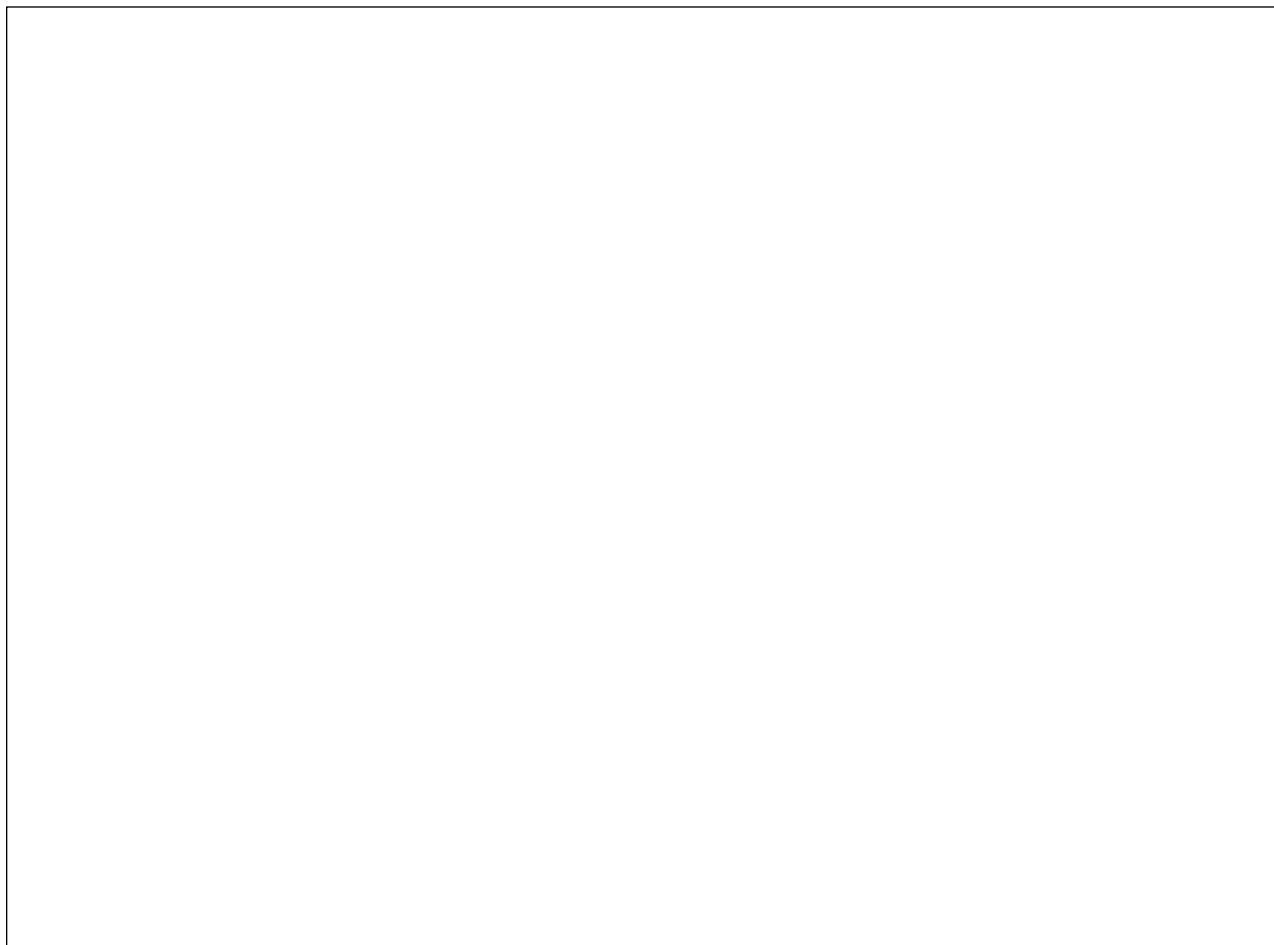
## **Project Reflection Bonus Questions:**

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

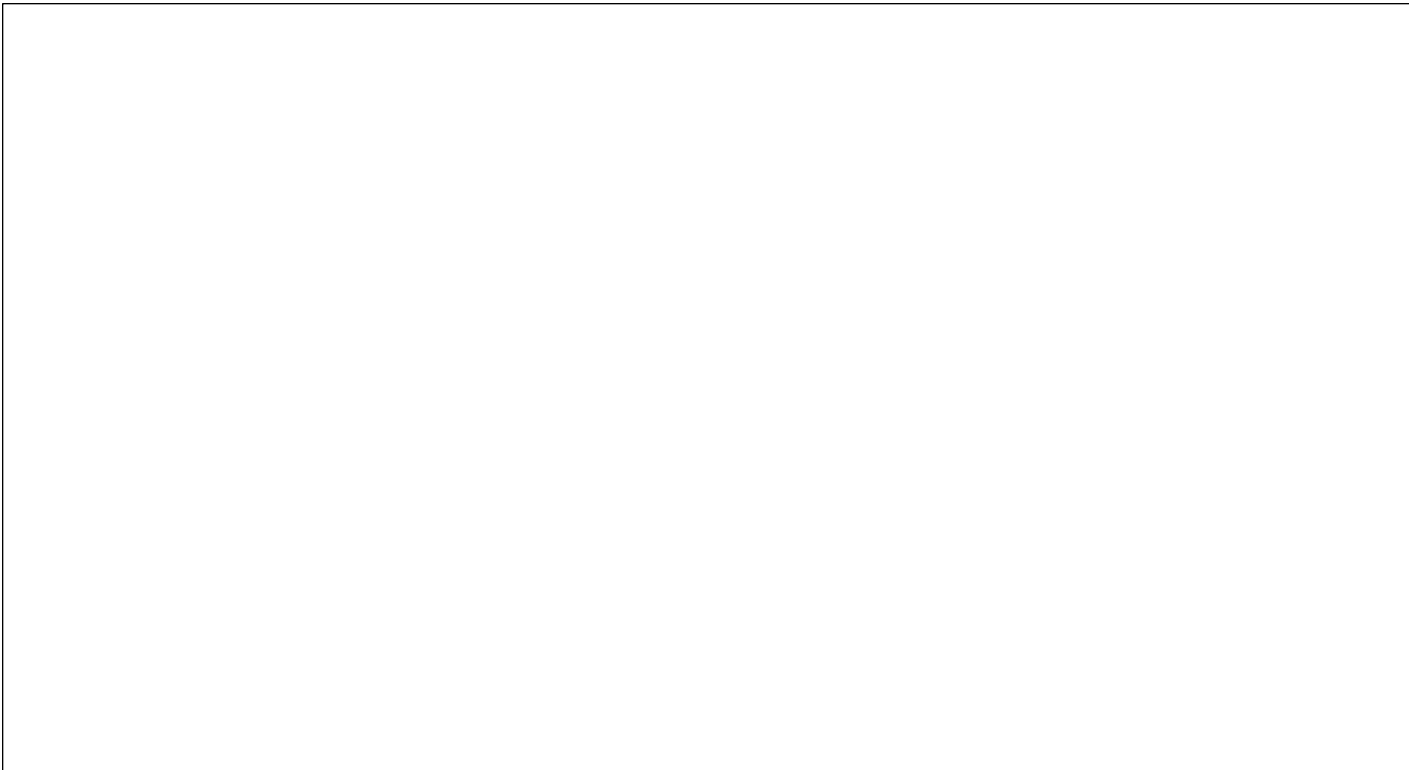
1. What food types allow your animal to gain weight? Give examples of each of these components and their function.

2. Identify three unique breeds within your livestock species. What are their characteristics?

3. What advice would you give to a younger exhibitor?

A large, empty rectangular box with a thin black border, intended for the user to write their answer to the question above.

**Use this page for additional responses to Project Reflection and Bonus questions**





Advanced



PAGE	CONTENT	POINTS POSSIBLE	SCORE
Cover	Exhibitor Information	2	
2	Animal Information	2	
2	Benefits of Keeping Records	5	
3	Goals	3	
3	Marketing Strategies	3	
3	Marketing Materials	8	
4	Herd Health Plan	10	
5-6	Herd Health Plan Production Calendar	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	8	
13	Project Efficiency Information	10	
14	Project Photos	2	
15	Question 1	5	
15	Question 2	5	
16	Question 3	5	
<b>TOTAL POINTS</b>		<b>100</b>	

Exhibitor Name

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BONUS POINTS			
PAGE	CONTENT	POINTS POSSIBLE	SCORE
17	Question 1	5	
17	Question 2	5	
18	Question 3	5	

**Judge's Comments**