Ionia County  
4-H Record Book  
Beef  
Intermediate (12-14)

Name: ____________________________________________

4-H Age (as of Jan. 1)_______________

Club: ____________________________________________________________________

Years in 4-H: ________________  Years in Project: ________________

Member’s Signature: _______________________________________________________

Parent’s Signature: _______________________________________________________

Leader’s Signature: _______________________________________________________

Place Beginning Project Picture Here  
Place Ending Project Picture Here
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.

4-H Information

The 4-H Pledge

*Fill in the Blanks*

I pledge…

My _______ to ______________,_
My _______ to ______________,_
My _______ to ______________,_
My _______ to ______________,_
My _______ to ______________,_

for my club, my community,
my country and my world.

The 4-H Motto

*Fill in the Blank*

“To Make the _____, _______”

What 4-H Means to Me

Describe what 4-H means to you.

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________
Meetings / Participation

Keep track of meetings/events that you have participated in. Put a check in the appropriate month.

<table>
<thead>
<tr>
<th>Description</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
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<td>Club Meetings (list)</td>
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<td>County Events: (list)</td>
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<td>Community Service: (list)</td>
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<td>Committees: (list)</td>
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Examples: Kettenun Center, Shows, Clinics, Workshops, etc.
My Market Animal Project

1. Name and description of animal: ____________________________________________________________

2. What breed is your animal? ______________________________________________________________

3. Why did you select this project? ____________________________________________________________

4. Where did you get your project animals? Reasons for selecting that breeder, farm, or business?________

5. What type of housing did you provide your animals? ____________________________________________

6. How did you provide fresh water to your animals? ______________________________________________

7. What do the Average Daily Gain results (page 8) tell you? ______________________________________

8. Explain how you trained and prepared your animal for show: _____________________________________

9. Please explain goals that you have your project this year. ________________________________________
10. List three things that you have helped or taught others this year.
   a. 
   b. 
   c. 

11. List three things you have learned in your project this year.
   a. 
   b. 
   c. 

12. Who has influenced you the most this year in this project and why?
    

13. List three qualities of a good showperson:
   a. 
   b. 
   c. 

14. List three qualities of a bad showperson:
   a. 
   b. 
   c. 

15. List the names of six potential buyers that you contacted about the Livestock Sale for this project:
   1. 
   2. 
   3. 
   4. 
   5. 
   6. 

Parts of a Beef Animal

**Body Parts:**
Write in the number of the body part from the table below that matches the correct part on the animal. **Pick 20 parts to label.**

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</table>

**Diseases**
List 3 common diseases of beef

1. ______________________________
2. ______________________________
3. ______________________________

**By – Products**
List 3 by-products of beef

1. ______________________________
2. ______________________________
3. ______________________________

**Breeds**
List 3 breeds of beef

1. ______________________________
2. ______________________________
3. ______________________________

**Retail Meat Cuts**
List 3 retail meat cuts of beef

1. ______________________________
2. ______________________________
3. ______________________________
Beef Facts Crossword Puzzle

Across
3. A fungal infection causing scaly patches of skin.
6. The first milk, high in antibodies, produced by a female mammal after it gives birth
10. An animal that chews its cud and has four stomach compartments
11. Born without horns
12. A cow's normal body _______ is 101.5 degrees F

Down
1. Another name for the tail
2. Persistent diarrhea in young animals
4. Giving an injection into a muscle
5. The permanent identification of animals produced by placing indelible ink under the skin.
7. Period of time a beef is pregnant: about 9 months
8. A rope or leather headgear used to control or lead an animal.
9. Loose skin under the neck

COLOSTRUM HALTER RINGWORM SWITCH
DEWLAP INTRAMUSCULAR RUMINANT TATTOO
GESTATION POLLED SCOURS TEMPERATURE
Knowing how much your animal is gaining each day is a critical part of raising a healthy animal. Weights can be measured by using scales, weight tapes, or estimated. Keep track of the weights in the table below and draw the results in the chart above.

<table>
<thead>
<tr>
<th>Weight, Pounds</th>
<th>Months of Project</th>
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<tbody>
<tr>
<td>600</td>
<td>1</td>
</tr>
<tr>
<td>700</td>
<td>2</td>
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<td>800</td>
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<td>600</td>
<td>7</td>
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<td>700</td>
<td>8</td>
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<tr>
<td>800</td>
<td>9</td>
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</table>

For examples of how to complete this page, please contact the County 4-H Office.
Write the information from the feed tag or the “recipe” mixture that you use:
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

Did the feed or mixture change during the project? Why and how did it change? ________________________
________________________________________________________________________________________
________________________________________________________________________________________

How did you determine how much to feed your animal? ____________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

<table>
<thead>
<tr>
<th>Pounds Fed</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
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<th>TOTAL</th>
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<th>Expense Items</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
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<th>May</th>
<th>Jun</th>
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### Project Performance Summary

- **Ending Weight** minus **Beginning Weight** equals **Pounds Gained** divided by **Days on Feed** equals **Average Daily Gain**

- **Total Feed Cost** divided by **Total Lbs. of Gain** equals **Feed Cost per Pound of Gain**

- **Total Lbs. Of Feed Fed** divided by **Total Lbs. of Gain** equals **Lbs. Of Feed Fed per Lb. Of Gain**

### Financial Summary

#### INCOME

<table>
<thead>
<tr>
<th>Ending Weight:</th>
<th>Market Price:</th>
<th>=</th>
<th>Expected Income from Animal:</th>
</tr>
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<tbody>
<tr>
<td>X</td>
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</table>

**Other Income:** (List items:)

**TOTAL EXPECTED INCOME**

#### EXPENSES

- **Purchase price of animal (if homegrown = market value @ weigh in)**
- **Cost of Feed (page 9)**
- **Cost of other Expense items (page 9)**

**TOTAL EXPENSES**

**PROFIT / (LOSS): Income minus Expense** (negative number equals a loss)
My Project Story
Leadership and Service

Please answer the following questions according to your assigned age category:
Beginners-question 1; Intermediate-questions 1-2; Advance-questions 1-3. Additional pages may be attached as needed.

1. In your animal project, what chores are assigned for you to do?

2. Describe a time when you have helped someone else learn about animals or agriculture; this can be an individual (friend or family member) or public education such as your club offering a petting zoo at a local event.

3. What is the leadership or service purpose of animal organizations such as Michigan Sheep Breeders, American Rabbit Breeders Association, etc? What organizations represent your animal species?
## Intermediate Beef Record Book Score Sheet

**4-H Member:**

**4-H Club:**

<table>
<thead>
<tr>
<th>Page</th>
<th>Description</th>
<th>Possible Points</th>
<th>Your Points</th>
</tr>
</thead>
</table>
| 1    | COVER PAGE  
Completely filled out with all signatures and both pictures.            | 5               |             |
| 2    | 4-H INFORMATION                                                             | 5               |             |
| 3    | MEETINGS/PARTICIPATION                                                      | 5               |             |
| 4-5  | MARKET ANIMAL PROJECT QUESTIONS  
Each question is completely and clearly answered.                            | 15              |             |
| 6    | PARTS OF BEEF ANIMAL  
Placed correctly and information filled out.                                 | 10              |             |
| 7    | CROSSWORD                                                                  | 5               |             |
| 8    | BEEF WEIGH CHART                                                            | 10              |             |
| 9    | FEED AND EXPENSE ITEMS                                                      | 10              |             |
| 10   | PROJECT PERFORMANCE SUMMARY                                                 | 15              |             |
| 11   | MY PROJECT SUMMARY                                                          | 10              |             |
| 12   | SUPPLEMENT PAGE                                                             | 10              |             |
|      | TOTAL POINTS  
A: 90-100, B: 80-89, C: 70-79                                            | 100             |             |

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