Ionia County
4-H Record Book
Beef
Junior (9-11)

Place Beginning Project Picture Here

Place Ending Project Picture Here

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: ________________________________________________
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>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
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<tbody>
<tr>
<td>Club Meetings (list)</td>
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<td>General Meetings (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. Where did you get your project animals? Reasons for selecting that breeder, farm, or business?
   ________________________________________________________________
   ___________________________________________________________________________________
   ___________________________________________________________________________________

4. What type of housing did you provide your animals? _______________________________________
   ___________________________________________________________________________________
   ___________________________________________________________________________________

5. How did you provide fresh water to your animals? _________________________________________
   ___________________________________________________________________________________
   ___________________________________________________________________________________

6. List two things you have learned in your project this year.
   a. __________________________________________________________________________________
   b. __________________________________________________________________________________

7. Who has influenced you the most this year in this project and why? _________________________
   ___________________________________________________________________________________
   ___________________________________________________________________________________

8. List two qualities of a good showperson:
   a. __________________________________________________________________________________
   b. __________________________________________________________________________________

9. List two qualities of a bad showperson:
   a. __________________________________________________________________________________
   b. __________________________________________________________________________________

10. List the names of three potential buyers that you contacted about the Livestock Sale for this project:
    1. __________________________________  2. __________________________________  3. __________________________________
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 10 parts to label.**

|---------------|--------------|--------------|--------------|--------------|--------------|----------------|

Diseases
List 2 common diseases of beef

1. __________________________
2. __________________________

By – Products
List 2 by-products of beef

1. __________________________
2. __________________________

Breeds
List 2 breeds of beef

1. __________________________
2. __________________________

Retail Meat Cuts
List 2 retail meat cuts of beef

1. __________________________
2. __________________________
Cattle Word Search

Cattle

T N A N I M U R B R A H M A N
A A T E K R A M I L K R T I R
E D L K C I R E V A M O E E O
H N F L A C U D M E A T K D H
W A H O O F H I D E S C S E G
J R Y A H W B E L L S E I P N
E B L F E E B C O W S P R M O
R R A R A N C H E R D S B A L
S E R G L U E V E A L N G T E
E F R B A R N I A R G I R S A
Y I O X E N R E T T U B A U T
R E C F E N C E R E E T S G H
I H O R N S B U L L A T S N E
A R B L O A T A F L A F L A R
D O G I E G N A R O U N D U P

ALFALFA  BUTTER  GRAIN  INSPECTOR  RANCH
ANGUS    CALF    GRASS  JERSEY    RANGE
BARN     CORRAL  HAY    LEATHER  ROUNDUP
BEEF     COWS    HEIFER  LONGHORN RUMINANT
BELLS    CUD     HERD   MARKET   STALL
BLOAT    DAIRY   HEREFORD MAVERICK STAMPEDE
BRAHMAN  DOGIE   HIDES  MEAT     STEER
BRAND    FAT     HOLSTEIN MILK     TALLOW
BRISKET  FENCE   HOOF   OXEN     VEAL
BULL     GLUE    HORN   PASTURE WHEAT
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.

For examples of how to complete this page, please contact the County 4-H Office.
Feed/Expense Summary

Write the information from the feed tag or the “recipe” mixture that you use: __________________________
________________________________________________________________________________________
________________________________________________________________________________________
________________________________________________________________________________________

<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>
<th>Aug</th>
<th>TOTAL</th>
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<tbody>
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<td>Hay / Roughage</td>
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<td>(include all types of grain: corns, oats, etc.)</td>
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</tbody>
</table>

| TOTAL Cost of Feed:         | $   | $   | $   | $   | $   | $   | $   | $   | $     |

<table>
<thead>
<tr>
<th>Expense Items</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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<td>Veterinary Charges</td>
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<td>Wormer</td>
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<td>TOTAL Expense Items:</td>
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</tbody>
</table>

Ionia County Beef Record Book
Project Performance Summary

\[
\text{Ending Weight} - \text{Beginning Weight} = \text{Pounds Gained} / \text{Days on Feed} = \text{Average Daily Gain}
\]

\[
\text{Total Feed Cost} / \text{Total Lbs. of Gain} = \text{Feed Cost per Pound of Gain}
\]

\[
\text{Total Lbs. Of Feed Fed} / \text{Total Lbs. of Gain} = \text{Lbs. Of Feed Fed per Lb. Of Gain}
\]

Financial Summary

**INCOME**

\[
\text{Ending Weight: } \times \text{Market Price: } = \text{Expected Income from Animal:}
\]

Other Income: (List items:)

\[
\text{TOTAL EXPECTED INCOME}
\]

**EXPENSES**

Purchase price of animal (if homegrown = market value @ weigh in)

Cost of Feed (page 8)

Cost of other Expense items (page 8)

\[
\text{TOTAL EXPENSES}
\]

**PROFIT / (LOSS): Income minus Expense** (negative number equals a loss)
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?
## Junior 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>
<tbody>
<tr>
<td>1</td>
<td>COVER PAGE</td>
<td>5</td>
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<tr>
<td></td>
<td>Completely filled out with all signatures and both pictures.</td>
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<tr>
<td>2</td>
<td>4-H INFORMATION</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>MEETINGS/PARTICIPATION</td>
<td>5</td>
<td></td>
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<tr>
<td>4</td>
<td>MARKET ANIMAL PROJECT QUESTIONS</td>
<td>15</td>
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<tr>
<td></td>
<td>Each question is completely and clearly answered.</td>
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<tr>
<td>5</td>
<td>PARTS OF BEEF ANIMAL</td>
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<td>6</td>
<td>WORD SEARCH</td>
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<tr>
<td>7</td>
<td>BEEF WEIGH CHART</td>
<td>10</td>
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<tr>
<td>8</td>
<td>FEED AND EXPENSE ITEMS</td>
<td>10</td>
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<tr>
<td>9</td>
<td>PROJECT PERFORMANCE SUMMARY</td>
<td>15</td>
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<tr>
<td>10</td>
<td>MY PROJECT SUMMARY</td>
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<td>Descriptive and at a minimum fills entire page.</td>
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<tr>
<td>11</td>
<td>SUPPLEMENT PAGE</td>
<td>10</td>
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<td>TOTAL POINTS</td>
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</table>

**Total Points**

A: 90-100, B: 80-89, C: 70-79

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