Michigan 4-H Animal Market Project Record Book

Advanced Market Record Book

Name: ____________________________________  Date of Birth: _______________

Species:  
Beef [ ]  Sheep [ ]  Swine [ ]  Goat [ ]
Feeder Calf [ ]  Poultry [ ]  Rabbit [ ]  Other [ ]

Year (example: 2015): ____________  Age (as of Jan 1st): ____________

Is this your first year in project?  Yes ____  No ____

If No, how many years have you been doing project: _____________________

Club Name: _______________________________________________________

Project Leader: ____________________________________________________

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: ____________

Check with your local 4-H staff to determine when your record book needs to be submitted and any additional guidelines or rules for completion.

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

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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.

Project 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): __________________________

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

☐ Purchased my project animal(s)

☐ 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): __________________________
## Monthly Feed Record Worksheet

### Feed Types

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### Notes

- **Type of feed should be expressed in pounds and include grains, supplements, mixes, hay, silage, etc.**
- The estimated value of homegrown feed needs to be included.
- Number of animals reflected on this chart.
### Expenses Other Than Feed Worksheet

*Add additional pages if needed*

<table>
<thead>
<tr>
<th>Expense Categories</th>
<th>Veterinary Charges</th>
<th>Medication/Insecticides</th>
<th>Bedding</th>
<th>Equipment</th>
<th>Registration Fees</th>
<th>Trucking/Transportation</th>
<th>Housing rent/Leasing fees</th>
<th>Clipping/Shearing fees</th>
<th>Interest paid (if $ borrowed)</th>
<th>Advertising/Marketing</th>
<th>Buyer Recognition</th>
<th>Miscellaneous (specify)</th>
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<th>Monthly Total</th>
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____ Number of animals reflected on this chart.

$_______ Total Expense per animal

**TOTAL EXPENSES**
(Transfer this number to page 8 – c. If this is for more than one animal, divide by the number of animals.)

Michigan 4-H Livestock Record Book – Advanced
Weight Record (Add additional pages if needed)

It is recommended to weigh your animal(s) at least once each month or more as appropriate for your species. Use one of the charts below for each market animal.

<table>
<thead>
<tr>
<th>Animal ID: ______________</th>
<th>Date</th>
<th>Weight</th>
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<tbody>
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<th>Date</th>
<th>Weight</th>
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<th>Animal ID: ______________</th>
<th>Date</th>
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Animal ID: ______________
Date
(Beginning)
My Project Animal:
(Please complete page 7 for each market animal – make additional copies of this form as needed)

<table>
<thead>
<tr>
<th>Ear Tag Number</th>
<th>Sex</th>
<th>Breed</th>
<th>Date Acquired</th>
<th>Beginning Weight</th>
<th>Final Weight (A)</th>
</tr>
</thead>
</table>

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:

\[ \text{Market Price}^* \times \frac{\text{Final Weight (A)}}{\text{Final Weight (A)}} = \text{EXPECTED MARKET INCOME} \]

*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.

**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:

<table>
<thead>
<tr>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchased Animal = List Price (page 2) or Raised Animal = List Value at Start of Project a $</td>
</tr>
<tr>
<td>Total Feed Costs Per Animal From Monthly Feed Record Worksheet (page 4) b $</td>
</tr>
<tr>
<td>Total Cost From Per Animal Expenses Other Than Feed Worksheet (page 5) c $</td>
</tr>
</tbody>
</table>

\[ \text{TOTAL EXPENSES} (a+b+c) = \text{$} \]

Formula to Calculate Your Breakeven Price:

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

Michigan 4-H Livestock Record Book – Advanced
My Project Efficiency Information (Please complete page 9 for one market animal)
Complete the information below based on one of your market animal(s) raised.

1. \[
\frac{\text{Total lbs. of Gain (a)}}{\text{Days on Feed}} = \frac{\text{Total lbs. of Gain (a)}}{\text{Average Daily Gain}}
\]
   (Page 6 final – beginning weight)
   (Date of purchase estimated sale date)
   (Amount of weight animal gained each day)

2. \[
\frac{\text{Total Feed Cost}}{\text{Total lbs. of Gain (a)}} = \frac{\text{Total Feed Cost}}{\text{Feed Cost Per lbs. of Gain}}
\]
   (Page 4 total divided per animal)
   (a)

3. \[
\frac{\text{Total lbs. of Feed Fed}}{\text{Total lbs. of Gain (a)}} = \frac{\text{Lbs. of Feed Fed per lbs. of Gain}}{\text{Lbs. of Feed Fed per lbs. of Gain}}
\]
   (Page 6 total divided per animal)
   (a)

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

1. ______________________________________________________________________________________
2. ______________________________________________________________________________________
3. ______________________________________________________________________________________
**Project Reflection:**

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

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

   ___________________________________________________

   ___________________________________________________

   ___________________________________________________

2. What was one supplement you fed your animal(s) and why? ________________

   ___________________________________________________

   ___________________________________________________

3. What strategies did you utilize in marketing your animal(s)? ________________

   ___________________________________________________

   ___________________________________________________

4. Compare your “breakeven price” (page 7) to your “expected market income” (page 7). What can be done to improve the “breakeven price?”

   ___________________________________________________

   ___________________________________________________

   ___________________________________________________

5. What management strategies did you implement to improve animal health and well-being?

   ___________________________________________________

   ___________________________________________________

   ___________________________________________________

6. What have you done to help other members be successful in this project?

   ___________________________________________________

   ___________________________________________________
Judge’s Comments:

Please respond to the following statements to provide feedback to the youth.

The market animal(s) project owner did the following items well: ___________________

__________________________________________________________

__________________________________________________________

__________________________________________________________

Areas to improve include: ______________________________________

__________________________________________________________

__________________________________________________________

Additional comments: ________________________________________

__________________________________________________________

__________________________________________________________

Judging Results (OFFICE USE ONLY)       Ribbon Award:  A     B     C