Ionia County

Dairy Feeder
Project Record Book

Do NOT put this record book in a binder.

Name

4-H Club

Leader(s)

Age as of January 1

Years Showing Beef

Record Started

Record Ended

Month/Day/Year

Month/Day/Year

MICHIGAN STATE UNIVERSITY | Extension
WHY KEEP RECORDS?

Keeping records on your project can be interesting and fun - not dull or boring. Good records will:

- Help you learn about animals, their rate of growth, the feed they require, the cost of the feed and their habits
- Help you plan future projects
- Let you know if you made or lost money and how much
- Improve your management practices
- Give you a record of your project activities

Keep this record as part of your Personal 4-H Records. This information is helpful for you to plan future year's market projects, as well as if you ever apply for 4-H awards or a 4-H scholarship.

Remember - Records are no better than what YOU put into them!

LEADERS COMMENTS:


Leader's Signature:

OBJECTIVES
To let 4-H Members:
- Experience the obligation and responsibility required in a livestock enterprise.
- Experience and cope with the “values” and “attitudes” of responsibility, in a relatively unsupervised environment. Supervision will be on a periodic basis.
- Contribute to the family table with meat, or to experience the marketing process and system, through sale of the product.
- Experience competition through showing the animal at local area organization sponsored shows, the fair and state-wide shows.

Ionia County MSU Extension
50 E. Sprague Rd.
Ionia, MI 48846
616-527-5357
IONIA COUNTY 4-H DAIRY FEEDER

Member's Achievement Summary

20___

Number of Years Showing Beef in Ionia County: ____________

Have you participated in another county's beef program?  □ Yes  □ No

If Yes, list the counties and the number of years in each:

List some of the Feeder activities you would like to participate at dairy camp.

What do you want to improve this year in your Feeder project?
My 4-H Dairy Feeder Project Animal(s)

Name of Primary Animal: ________________________________

Identification Number: ______ Type of Identification: □ Tag □ RFID

Breed(s): __________________________________________

Color: ___________________________ Date (Month) of Birth: ____________

Markings: _________________________________________

Please Check One: ____________________________ Please Check One: ____________________________

□ Purchased □ Raised □ Steer □ Heifer

Beginning Weight: _________ Date Weighed: ___________ Method: ___________

Weigh-In Weight: _________ Date Weighed: ___________ Method: ___________

Finished Weight: _________ Date Weighed: ___________ Method: ___________

Purchase Price: _______________ You may use the current market value.

Name of Secondary Animal or Extra: ________________________________

Identification Number: ______ Type of Identification: □ Tag □ RFID

Breed(s): __________________________________________

Color: ___________________________ Date (Month) of Birth: ____________

Markings: _________________________________________

Please Check One: ____________________________ Please Check One: ____________________________

□ Purchased □ Raised □ Steer □ Heifer

Beginning Weight: _________ Date Weighed: ___________ Method: ___________

Weigh-in Weight: _________ Date Weighed: ___________ Method: ___________

Finished Weight: _________ Date Weighed: ___________ Method: ___________

Purchase Price: _______________ You may use the current market value.
A completed record book should include a **beginning** photograph and a **finished** picture. You are encouraged to be in the photo with your project animal. You should also include captions on your pictures that at least include the date of the photograph. If you choose to include extra photos, please insert them at the end of the record book and be creative!!!
**MY 4-H FEEDER PROJECT EXPENSES ON PROJECT ANIMAL**

In this section, you will calculate your cost to prepare your market beef project for the fair and auction. Please feel free to include attachments of actual expenses with your record book.

<table>
<thead>
<tr>
<th>Expense Items</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Project Totals ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monthly Feed Total</td>
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<td></td>
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<td></td>
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<tr>
<td>Veterinary Charge</td>
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<tr>
<td>Bedding (Straw/Sawdust)</td>
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<tr>
<td>Insecticides (Fly spray)</td>
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<td></td>
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<tr>
<td>Fitting &amp; Showing Supplies</td>
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<tr>
<td>Trucking</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Marketing of Animal</td>
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<td></td>
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<tr>
<td>Miscellaneous</td>
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<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monthly Totals</td>
<td></td>
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</tr>
</tbody>
</table>

**TOTAL EXPENSES FOR THIS ANIMAL**
In this section, you will calculate the rate of gain for your project animal. Calculate information only for the animal that you will be taking to the fair.

<table>
<thead>
<tr>
<th>Weight of Animal (lbs.)</th>
<th>Date of Measurement</th>
<th>Method of Weight Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>WEIGH IN WEIGHT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FINAL WEIGHT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) Calculate the weight that your animal gained.

2) From your data, find the number of days between the start of project and the end of project.

3) Calculate the Average Daily Gain

\[
\frac{\text{lbs. of Gain}}{\text{Days on Feed}} = \text{Average Daily Gain} = \text{lbs./Day}
\]

4) Describe how you can estimate the weight of a steer if you do not have a scale available:
YOUR MARKET DAIRY PROJECT BREAK EVEN PRICE

4-H animals are sold by the pound at Large Animal Meat Sale Auction. Find out what bid price (per lb.) you need to get at the Large Animal Meat Sale Auction to break even on your 4-H Dairy Feeder Project.

EXPENSES ON MARKET ANIMAL: 
(From Page 6)

PURCHASE/MARKET PRICE:  
(From Page 7) +

TOTAL PROJECT EXPENSES: $ = TE

FINISHED WEIGHT OF ANIMAL:  
(From Page ) lbs. = FW

BREAK EVEN PRICE (BE) = $ TE
FW

What is the current selling price of Dairy (per lb.)? This price should be current as of July 1 of current year.

Where did you find the current selling price? If your source was a person, ask them where they got this information.

Would you have been able to make a profit selling on the open market? Why?

What would you do differently if you were selling your animal(s) on the open market?
**Know Your Cuts of Meat**

*Quality Grade* is determined by the marbling of the meat. The higher the quality grade, the more flavor and tenderness the meat has. From the following list of USDA quality grades, list them from the most desirable (1) to the least desirable (5):

- [ ] Choice
- [ ] Prime
- [ ] Select
- [ ] Standard
- [ ] Utility

**Wholesale Cuts vs. Market Cuts**

From the diagram, match the wholesale cuts of meat to the Retail Cuts of Meat:

- [ ] BBQ Short Ribs
- [ ] Roast Beef
- [ ] Round Steak
- [ ] Ribeye Steak
- [ ] Porterhouse Steak
- [ ] Filet Mignon
- [ ] Ground Sirloin
- [ ] Corned Beef

Meat is the main product from a beef animal. Describe other products (called animal by-products) of the slaughtered cow/carcass:
Judges Record Book Comments

Judges should use this space to include any additional comments they may have in regards to this record book. Suggestions for future record books may be valuable!
# 15 - 19 4-H Dairy Record book Score Sheet

<table>
<thead>
<tr>
<th>Page</th>
<th>NAME:</th>
<th>Points Possible</th>
<th>Your Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 2</td>
<td><strong>COVER SHEET &amp; WHY KEEP RECORDS</strong></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>All information is completed and has Leader’s Signature.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td><strong>MEMBER ACHIEVEMENT SUMMARY</strong></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>All Information is neat and complete. All questions are answered.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><strong>4-H DAIRY FEEDER PROJECT ANIMALS</strong></td>
<td>5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Information complete on PRIMARY animal. All weights/prices recorded.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><strong>OPTIONAL 4-H PROJECT PHOTOGRAPHS</strong></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A beginning and finished photograph is included. Points are at Judge’s Discretion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td><strong>WEIGHT RECORD</strong></td>
<td>10</td>
<td></td>
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<tr>
<td></td>
<td>Calculations are completed and questions answered.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td><strong>PROJECT EXPENSES</strong></td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Table completed &amp; total expenses calculated.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td><strong>MARKET BEEF BREAK EVEN PRICE</strong></td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Calculations completed and questions completed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td><strong>KNOW YOUR CUTS OF MEAT</strong></td>
<td>10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Worksheet completed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td><strong>Extra Credit</strong>—Extra credit will be awarded to all of those that complete more than one mandatory market Dairy project. Other worthy projects not listed will also be awarded points.</td>
<td>Up to 20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL Points</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A: 100-85, B: 84-75, C: 74-60, No Rating: 59-0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>