Barry County 4-H
Market
Steer Journal
15 - 19

Name: _______________________________________________________________

Address: ___________________________ Street ___________________________

City ___________________________ State ___________________________ Zip

Name of 4-H Club: __________________________________________________

Project Leader Name: ____________________________ Years in project: _____

Market journals are required for all market livestock entries of steers, lambs and swine. Market Journals must be presented by the exhibitor for judging at the fair during Non-Livestock judging. Failure to turn in Market Journal for judging will disqualify market animals from participating in the Barry County Fair. In the event of extenuating circumstances, another 4-H member may present the journal for judging - this can result in a lower award.

This record is a part of your 4-H Market Beef Project work. By keeping records up-to-date you will be able to see how much progress you make as you set goals and work to accomplish them. Write neatly and clearly. Your journal should be displayed in a hard cover notebook that contains each years journals from the time you started exhibiting the 4-H market beef project. Feel free to add extra pages.

**Project Pictures**

✓ *Pictures are a required part of this Journal.* Taking pictures of your project animal(s) throughout the project will indicate how your animal(s) have grown and developed.

✓ Remember, pictures are nicer when the 4-H'er is in the picture. Add pictures to your journal on a separate piece of paper. 😊

Information taken from the following sources; *Your 4-H Market Beef Project, 4-H Skills for Life Beef Series, Beef Learning Lab Kit.*

The Livestock Notebook Committee encourages 4-H Leader & parent assistance. If you have questions call the Superintendent for Youth Livestock Notebooks, Posters & Educational Displays in the fair book or the Extension Office.

Adopted by 4-H Livestock Developmental Committee 11/1/00

Revised 10/08
**Project Information**

The start of the project will be the date the exhibitor placed the animal on feed. The end of the project will be the weigh in at fair. Your journal figures can include all animals purchased, not just the ones that actually go to fair.

Project Start Date _________________  Project End Date _________________

What month was your steer born? _________________

Please fill in the following information about your steer(s).

<table>
<thead>
<tr>
<th>Ear Tag Number</th>
<th>Breed</th>
<th>Date of Purchase</th>
<th>Price or Value</th>
<th>Estimated Starting Weight</th>
<th>Estimated Ending Weight</th>
<th>Total Pounds Gained</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>$</td>
<td>lbs.</td>
<td>lbs.</td>
<td>lbs.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$</td>
<td>lbs.</td>
<td>lbs.</td>
<td>lbs.</td>
</tr>
</tbody>
</table>

Note: Total pounds gained = ending weight - starting weight

Total spent on project animals $________

**Weight Record**

<table>
<thead>
<tr>
<th>Identification of animals</th>
<th>Date of Beginning Weight</th>
<th>Beginning Weight</th>
<th>Date of Final Weight</th>
<th>Estimated Final Weight</th>
<th>Estimated Total lbs of gain</th>
<th>Days on Feed</th>
<th>Estimated Average Daily Gain</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

**Fill in After Fair**

<table>
<thead>
<tr>
<th>Animal Number</th>
<th>Final Weight</th>
<th>Final Pounds of Gain</th>
<th>Final Daily Gain</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Total Cost of the Feed ___________
### Monthly Feed Record & Expenses

<table>
<thead>
<tr>
<th>Items</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of feed used -</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td>What are the ingredients (not just % of protein)</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>lbs. of feed used For the month</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Cost of feed used for the month</td>
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<td></td>
</tr>
</tbody>
</table>

Total Cost of the Feed .......................... $___________

### Expenses other than Feed

<table>
<thead>
<tr>
<th>Items</th>
<th>Nov</th>
<th>Dec</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
</tr>
</thead>
<tbody>
<tr>
<td>Veterinary Fees</td>
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<td></td>
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<tr>
<td>Fair Fees (manure &amp; Ins)</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Any other expenses* (please list)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monthly Totals $</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

*Any other expenses could include fitting and showing supplies, housing, etc.

Total Expenses other than Feed _____________
Financial Summary

Income and Sale Price at Close of Record
What price do you feel your animal(s) are worth per pound on sale day?
(include fair animals and extra animals)
Estimated Actual
(pre sale) (after sale)
Animals Weight $ X Price per pound = $ $ 

Expenses and Purchase Price or Market Value
Purchase price or value of all animals at start of record (actual) $ 
Feed Costs (actual) $ 
Other Expenses (actual) $ 

Estimated Actual
Total Income minus Total Expenses = Net Profit or Loss $ $ 

Cattle Diseases
List one (1) infectious disease and (1) noninfectious cattle disease and briefly list the signs (symptoms), preventative measure(s) and treatment(s) for each.

<table>
<thead>
<tr>
<th>Infectious Disease</th>
<th>Non-Infectious Disease</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disease Name</td>
<td></td>
</tr>
<tr>
<td>Signs/Symptoms</td>
<td></td>
</tr>
<tr>
<td>Prevention</td>
<td></td>
</tr>
<tr>
<td>Treatment</td>
<td></td>
</tr>
</tbody>
</table>

Cattle Parasites: List one Internal Parasite and one External Parasite, describe the signs/symptoms, preventative measures and treatment for each.

<table>
<thead>
<tr>
<th>External Parasite</th>
<th>Internal Parasite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parasite Name</td>
<td></td>
</tr>
<tr>
<td>Signs/Symptoms</td>
<td></td>
</tr>
<tr>
<td>Prevention</td>
<td></td>
</tr>
<tr>
<td>Treatment</td>
<td></td>
</tr>
</tbody>
</table>
**Parts of the Steer** - Fill in the number that matches the digestive part of the steer.

**Fill in the number that matches the part of the Digestive System:**
- ______ Cecum
- ______ Abomasum
- ______ Anus
- ______ Esophagus
- ______ Large Intestine
- ______ Mouth
- ______ Omasum
- ______ Reticulum
- ______ Rumem
- ______ Small Intestine

**Fill in the Retail Cuts of Beef (ages 17 - 19):**

A. ___________________________  G. ___________________________
B. ___________________________  H. ___________________________
C. ___________________________  I. ___________________________
D. ___________________________  J. ___________________________
E. ___________________________  K. ___________________________
F. ___________________________
Project Progress and Management Record

1. What are your project goals for this year?

2. What is the current "desirable" weight range for a finished market steer?

________________ lbs to _______________ lbs

3. What did you do to insure you raised a "quality market food" project?

4. Define the term "Wholesale Cuts of Beef" (ages 15 & 16).

5. Define the term "Retail Cuts of Beef" (ages 17 - 19).

6. List the four (4) chambers of the stomach in the order digestion occurs (ages 15 & 16).

7. Explain how each of the 4 stomach chambers digest food (ages 17 - 19).
**Breed Knowledge:**
Choose two breeds each year and list the breeds strengths and characteristics (include the breeds you listed in the previous year(s)).

Angus -

Charolais -

Hereford -

Polled Hereford -

Shorthorn -

Simmental -

Limousin -

Maine Anjou -

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**Project Pictures**

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✓ Remember, pictures are nicer when the 4-H'er is in the picture. Add pictures to your journal on a separate piece of paper. 😊