Market Beef
Project Record Book

Name: __________________________________________________________

Address: _____________________________________________________________________

Phone: ___________________________ e-Mail: ___________________________

Club: ________________________________________________________________

Club Leader: ___________________________________________________________

Age (as of 1/1): ___________ Years Showing Beef: ______________________________

Record Started: _____________________ Record Closed: _______________________

Month/Day/Year               Month/Day/Year
Why Keep Records?

This record is a part of your Market Livestock Project and must be entered for judging at the Kent County Youth Fair. Failure to do so will result in the disqualification of your market steer from being sold in the livestock sale.

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 Records. This information is helpful for you to plan future year’s market projects, and to apply for awards or a scholarship.

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

Objectives:
To let exhibitors:

- 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, throughout sale of the product.
- Experience competition through showing the animal at local area organization sponsored shows, the fair and state wide shows.

Project Pictures:

*Taking pictures of your market steer throughout the project will indicate how they have grown and developed. Please place them on the page provided.*
My Beef Project Animal

Name of Animal: ____________________________________________________________

Type of Identification: □ Reg. #: ___________________ □ RFID #: ___________________

Breed(s): _______________________________________________________________

Color: __________________________ Date (Month) of Birth: ____________________

Markings: _______________________________________________________________

Please Check One:

□ Purchased □ Raised

Weigh-In Weight: ________________ Date Weighed: ___________________________

Finished Weight: ________________ Date Weighed: ___________________________

Purchase Price: ________________ (If you raised the animal, list the market value at start of project.)

My Beef Project Weight Record

In this section, you will calculate the rate of gain for your project animal.

1) Calculate the weight that your animal gained.                        lbs. of Gain

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

3) Calculate the Average Daily Gain

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

4) Feed Efficiency (FE) is the weight of dry matter feed fed to an animal to produce one pound of gain. Calculate your market beef project’s FE. Note. A normal beef FE range is 6 – 8:

Total lbs. of Feed Fed: ________________ lbs. (sum this from pg. 5)

Dry Matter Feed = Total Feed Fed _________ lbs. X 0.85 = __________ lbs.

\[
\text{lbs. of Dry Matter} \div \text{lbs. of Gain} = \text{Feed Efficiency} = \frac{\text{lbs. of Dry Matter}}{\text{lbs. of Gain}}
\]
My Beef Project Photographs

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.

Beginning Photo

Ending Photo
My Beef Project Feed Record and Expenses

In this section, you will calculate your cost to feed this market animal. Record by the amount of feed purchased, weighed out or fed during each month. Grain and supplements: amount and cost of grain, amount and cost of supplements, including commercial mixture (protein, mineral, salt, etc.) Brand names do not matter, but content and cost do. Home grown feed should be listed by fair market value. To simplify this chart, you do not have to weigh your feed every feeding. **Averages are ok and encouraged.** If you are feeding more animals than one, you will want to figure the feed for JUST your animal by dividing the total lbs. fed by the number of animals.

<table>
<thead>
<tr>
<th>FEED TYPE</th>
<th>December</th>
<th>January</th>
<th>February</th>
<th>March</th>
<th>April</th>
<th>May</th>
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<th>July</th>
<th>TOTAL</th>
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**MONTHLY FEED TOTAL**

Find the sum of your monthly costs.

\[
\text{Monthly cost (feed)} = \text{Cost of the feed (per lb.)} \times \text{lbs. used.}
\]

\[
\text{Monthly cost (hay)} = \text{Number of bales fed} \times \text{cost per bale.}
\]
My Beef 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>December</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>
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</thead>
<tbody>
<tr>
<td>Monthly Feed Total (from page 5)</td>
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<td>Fitting &amp; Showing Supplies</td>
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<td><strong>TOTAL EXPENSES FOR THIS ANIMAL</strong></td>
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</tbody>
</table>
My Beef Project Break Even Price

Beef animals are sold by the pound at a 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 Market Beef Project.

EXPENSES ON MARKET ANIMAL:
(From Page 6)
PURCHASE PRICE OF ANIMAL: 
(From Page 3)
TOTAL PROJECT EXPENSES: 
FINISHED WEIGHT OF ANIMAL: 
(From Page 3)

\[
\text{BREAK EVEN PRICE (BE)} = \frac{\text{TE}}{\text{FW}} = \square
\]

What is the current selling price of beef (per lb.)? $\square$

This price should be current as of August 1st 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 on the open market?

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________
# Record Book Evaluation Form

Name: ___________________________ Age: ________

Number of years in project: _________ Grade: ________

- Explorer (5 - 7 years)
- Novice (8 - 10 years)
- Intermediate (11 - 12 years)
- Junior (13 - 15 years)
- Senior (16 - 19 years)

<table>
<thead>
<tr>
<th>Category</th>
<th>Excellent (4 points)</th>
<th>Above Average (3 points)</th>
<th>Average (2 points)</th>
<th>Needs Improvement (1 point)</th>
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<tbody>
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<td>Appearance</td>
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<td>Knowledge of Project</td>
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<td>Communication Skills</td>
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**Scoring**
- A = 17 - 20 pts.
- B = 14 - 16 pts.
- C = 10 - 13 pts.
- Incomplete = 0 - 9 pts.

**Total Points**

**Category Definitions: (Take into account the age of exhibitor)**
1. Appearance/Neatness: overall quality and attention to detail.
2. Completeness: all record book sections should be thoroughly addressed and filled out.
3. Accuracy: record book should be free from errors and be within general livestock guidelines.
4. Knowledge of Topic: how well the child understands animal husbandry skills.
5. Communication Skills: how well the child is able to describe and/or express thoughts using good grammar.

**COMMENTS:** ________________________________________________________________

This beef project book has been reviewed by the club leader.

**Leader’s Signature:** ________________________________