TUSCOLA COUNTY
4-H/FFA MARKET BEEF PROJECT
RECORD BOOK

MEMBER LAST NAME:  MEMBER FIRST NAME:

____________________  ____________________

CIRCLE 4-H AGE: (as of January 1)
AGE – 9-10, 11-14, 15-19 YEARS

THIS RECORD BOOK HAS BEEN REVIEWED BY:

4-H/FFA Member Signature                                  Date

____________________  ____________________

Parent/Guardian Signature                                   Date

____________________  ____________________

Leader’s Name (Please make comments inside)                  Date
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.

Objectives:

To let 4-H/FFA Members:

- Experience the obligation and responsibility required in a livestock enterprise.
- Experience and cope with the “values” and “attitudes” of responsibility.
- Experience the marketing process and system, through sale of the product.
- Experience competition through showing the animals at local area organization sponsored shows, the fair and statewide shows.

By keeping your record up-to-date you will be able to see how much progress you make as you set goals and work to accomplish them. Write clearly and neatly. If you need help, ask your parents or leader(s) to work with you. Add notebook paper to your records if you need more space.

Project Pictures:

Pictures are a required part of this record book. Taking pictures of your project animal throughout the project will indicate how your animal has grown and developed. Remember pictures are nicer when the 4-H’er is in the picture.

COMMENTS BY LEADER (Please sign front of book)

Comments by leader:__________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Leader’s Initials __________
**TUSCOLA COUNTY 4-H/FFA MARKET BEEF RECORD**

*This record book is a required part of your market beef project. You MUST enter this in the fair. This record book must be turned in to the beef superintendent by Noon on Monday. They will be displayed in the green building once they have been judged. You may pick them up at the conclusion of the fair when all of the other projects have been released. Incomplete record books will not be accepted and you will not be allowed to show until complete.*

DATE RECORD STARTED:___________   DATE RECORD CLOSED:___________

Note: Your record must include information from the first weigh-in through the weigh-in at fair. If you have information you want to provide from before the first weigh-in, please include it in your record.

ALL MEMBERS MUST COMPLETE THIS RECORD BOOK IN BLUE OR BLACK INK.

**4-H/FFA MEMBER INFORMATION:**

NAME_________________________________________________________  4-H AGE_______

STREET ADDRESS__________________________________________________________

CITY_______________________   ZIP CODE____________________

YEAR(S) IN 4-H_______________     YEAR(S) IN PROJECT_______________

My project goals for this year:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

How and when did you obtain your animal?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Project Animal
SPECIES______________________    BREED__________________________

<table>
<thead>
<tr>
<th>Identification (RFID Tag #/Fair Tag #/Name)</th>
<th>Sex</th>
<th>Date Obtained</th>
<th>Age of Animal at Purchase</th>
<th>Purchase Price or Value at Start of Project</th>
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<tbody>
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Page 1
MONTHLY FEED RECORD AND EXPENSE

You will need to keep track of how much your animal eats in order to have an accurate record. This is easiest to do when feeding concentrates and square bales of hay because you can weigh out the feed. As your animal grows, the amount of feed increases and the feed costs also increase. Filling in the feed table will make your job easier. For animals eating large round bales or pasture, you may need to get help from your leader. Waiting until the last minute to make these calculations will cause stress for you, your parent and your leader.

### CONCENTRATES

<table>
<thead>
<tr>
<th>MONTH</th>
<th>CORN</th>
<th>COMPLETE FEED*</th>
<th>OTHER</th>
<th>ROUGHAGES</th>
<th>HAY</th>
<th>CORN SILAGE</th>
<th>PASTURE</th>
<th>ADDITIONAL SUPPLEMENTS</th>
<th>SOYBEAN MEAL</th>
<th>OTHER</th>
<th>OTHER</th>
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</thead>
<tbody>
<tr>
<td>PRIOR TO FEBRUARY</td>
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<td>TOTALS</td>
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</table>

ADD COLUMNS TO GET **TOTAL POUNDS FED** = ________________
ADD COLUMNS TO GET **TOTAL FEED COST** = ________________

**NOTE:**
*If using a commercial complete feed or a prepared feed mixed at the feed mill, attach the ingredients slip to this page (staple or tape it). Ask the feed mill operator to supply you with an ingredients list if the feed bag does not have one.*
## OTHER EXPENSES

<table>
<thead>
<tr>
<th>EXPENSE ITEM</th>
<th>DATES OCCURRED</th>
<th>COMMENTS</th>
<th>EXPENSE TOTALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>VETERINARY CHARGES</td>
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<tr>
<td>MEDICATIONS/WORMERS</td>
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<tr>
<td>INSECTICIDES</td>
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<tr>
<td>HOUSING COSTS</td>
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<tr>
<td>OTHER EQUIPMENT (fitting &amp; showmanship, etc.)</td>
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<tr>
<td>INTEREST PAID ON MONEY BORROWED FOR PROJECT ANIMAL</td>
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<td>BEDDING</td>
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<tr>
<td>INSURANCE*</td>
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<tr>
<td>MARKETING OF ANIMAL* (Sale Commission)</td>
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<td>TRUCKING*</td>
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<tr>
<td>FAIR PICTURES*</td>
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<td>EAR TAG*</td>
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<td>BEEF CHECK-OFF*</td>
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</table>

*Amounts are reported Pre-Fair

Use this space for additional information:

____________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

OVERALL TOTAL $_______

Page 3
MISCELLANEOUS INCOME

RECORD AT FAIRS AND SHOWS PROIR TO THE TASCOLA COUNTY FAIR

<table>
<thead>
<tr>
<th>KIND OF EXHIBIT</th>
<th>NAME AND PLACE OF FAIR OR SHOW</th>
<th>DATE</th>
<th>NUMBER OF EXHIBITS IN SHOW</th>
<th>PLACING OR AWARD</th>
<th>PREMIUM WON</th>
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</table>

FINANCIAL SUMMARY

INCOME AND VALUE OF ANIMAL AT CLOSE OF RECORD

MISCELLANEOUS INCOME:

MISCELLANEOUS INCOME: __________

TOTAL VALUE OF ANIMAL AT CLOSE OF RECORD: __________

(Use market value x weight to calculate)

OVERALL TOTAL INCOME: __________

EXPENSES

COST OF ANIMAL AT START OF RECORD (pg. 1): __________

FEED COSTS (pg. 2): __________

OTHER EXPENSES (pg. 3): __________

OVERALL TOTAL EXPENSES: __________

NET PROFIT OR LOSS

TOTAL INCOME: __________

TOTAL EXPENSES: __________

PROFIT OR LOSS? (Circle one): __________

Note: Please remember that a negative figure does not necessarily mean that you did a poor job with your project. For example, if you recently expanded your project and have not owned the new animals long enough to market them or their products, you could justify a negative figure.
YOUR MARKET BEEF PROJECT BREAK EVEN PRICE

Your market beef project is sold by the head. Since we do not know what UPI’s market value of your beef project is today, calculate your break even price based on how much you would need to get on a per pound basis at the Tuscola County Large Livestock Sale. You will be able to determine the total amount you need to get in order to break-even with your market project.

OVERALL TOTAL PROJECT EXPENSES: _________________ (TPE) (Pg. 4)

FINISHED WEIGHT OF ANIMAL: _________________ (FW) (Pg. 6)

BREAK EVEN PRICE (BEP) = TPE / FW = _________________ (Cost per Pound)

PER HEAD AMOUNT: FW x COST/POUND _________________

(Overall total project expenses (TPE) divided by your finished weight of animal (FW), equals your break even price (BEP), cost per pound to raise your market animal).
**WEIGHT RECORD**

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>BEGINNING WEIGHT*</th>
<th>FINAL WEIGHT</th>
<th>TOTAL POUNDS OF GAIN</th>
<th>DATE OF BEGINNING WEIGH-IN</th>
<th>DATE OF FINAL WEIGH-IN</th>
<th>DAYS ON FEED</th>
<th>AVERAGE DAILY GAIN</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
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</table>

*If you do not weigh-in at the tagging date, please include a beginning weight from that day by using a scale, weight tape or estimate. Please indicate the method in the remarks box. Thank You.

**PROJECT EFFICIENCY INFORMATION**

\[
\frac{\text{Total lbs. of gain}}{\text{Days on feed}} = \text{Average Daily Gain}
\]

(See posting Sun. of fair week)

\[
\frac{\$\text{Total feed cost (pg. 2)}}{\text{Total lbs. of gain}} = \$\text{Feed cost per lb. of gain}
\]

\[
\frac{\text{Total lbs. feed fed (pg. 2)}}{\text{Total lbs. gain}} = \text{Lbs. of feed fed per lb. of gain}
\]

**COMMENTS:** Please describe what the information above tells you about your project. Would you do anything different and why or why not?

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________

___________________________________________________________________

Page 6
PROJECT PICTURES (MANDATORY)

Please include a description of your picture.
Taking a picture of your project animal or animals at the beginning and at the end of your project will indicate how your animal or animals have grown and developed.

BEGINNING PICTURE

DESCRIPTION:__________________________________________________________

ENDING PICTURE

DESCRIPTION:__________________________________________________________
PROJECT PROGRESS/MANAGEMENT RECORD

Give a description of the housing used for your animal(s).

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

What have you done to keep your animal healthy while in your care?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Project Story: (Mandatory for beginners, optional for intermediate/advanced members)

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

List club activities in which you have participated this year (examples: tours, teen leader, educational clinics, county Large Livestock meetings, club offices, etc.)

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

*JUNIOR MEMBERS MAY STOP HERE. INTERMEDIATE AND SENIOR MEMBERS, PLEASE CONTINUE.
Did you have any problems with your animal this year? If yes, how did you deal with the problems?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Did you meet your project goals for this year? Please explain.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Explain how you are financing (paying for) your animal project this year.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Explain how you trained and prepared your animal for show.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

If you have been in this project more than one year, are you doing anything different with your animals this year than last year?

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________
PARTS OF A BEEF ANIMAL

WRITE IN THE NAME OF EACH BODY PART. PLEASE WRITE LEGIBLE AND USE CORRECT NAMES OF PARTS.

RETAIL CUTS OF BEEF

LIST 5 RETAIL CUTS AND WHERE THEY COME FROM:

<table>
<thead>
<tr>
<th>Retail Cut</th>
<th>Source</th>
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<tbody>
<tr>
<td>1._________</td>
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<td>3._________</td>
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<td>4._________</td>
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<tr>
<td>5._________</td>
<td>____________________________</td>
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</tbody>
</table>

*INTERMEDIATE MEMBERS MAY STOP HERE. SENIOR MEMBERS, PLEASE CONTINUE.*
What is a good back fat and loin-eye area for your project?

________________________________________________________________________________________________________________________________________

If you were to judge your market beef project today, tell me some of your animal’s strengths and weaknesses (please use proper judging terminology).

________________________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________________________
________________________________________________________________________________________________________________________________________

List 5 diseases and how to treat each of them.

<table>
<thead>
<tr>
<th>Disease</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>__________________________</td>
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<td>2.</td>
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<td>3.</td>
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<td>4.</td>
<td>__________________________</td>
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<tr>
<td>5.</td>
<td>__________________________</td>
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</tbody>
</table>

List 5 Breeds and where they originated from.

<table>
<thead>
<tr>
<th>Breed</th>
<th>Originated From</th>
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<tbody>
<tr>
<td>1.</td>
<td>__________________________</td>
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<tr>
<td>2.</td>
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<tr>
<td>3.</td>
<td>__________________________</td>
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<td>4.</td>
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<tr>
<td>5.</td>
<td>__________________________</td>
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</tbody>
</table>
Next to each of the following items, please explain why it is needed in a diet for proper growth of your animal. Be specific.

Proteins:________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Carbohydrates:________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Fats:________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Vitamins:________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Minerals:________________________________________________________________________
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________________________________________________________________________

Water:________________________________________________________________________
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Other information or management notes.
________________________________________________________________________
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