Montcalm County

Breeding Beef Project
Record Book
All Ages

Name:___________________________________________________________

Address:_____________________________________________________________________

4-H Club:_____________________________________________________________________

4-H Leader:_____________________________________________________________________

4-H Age (as of 1/1):____________ Years Showing 4-H Beef:____________________

Record Started:________________________ Record Closed:_________________________

Month/Day/Year          Month/Day/Year

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Rev. 11/2014
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!

I understand that this is a completed Breeding Beef Project Record Book as required.

4-H'ers Signature: ____________________________

4-H 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.

MSU Montcalm Extension
211 W. Main Street, P.O. Box 368
Stanton, Michigan 48888
http://msue.anr.msu.edu/county/info/montcalm
(989) 831-7500
Montcalm County 4-H Beef Program

Member’s Achievement Summary

Year: ______

Your Name: ________________________________________________________________

Date of Birth:______________________  4-H Age (as of 1/1): ________________

Years Showing 4-H Beef: ________________

Have you participated beef projects outside the county?______ Yes   _____ No

List some of the Beef Project activities you have participated in such as fairs, trips, clinics/workshops, posters/projects, demonstrations, quiz bowl, judging team, etc.

What do you hope to improve this year in your breeding beef project?
My 4-H Beef Project Animal(s)

Name of Animal:__________________________________________________________

Identification Number:_________ Type of Identification:____ Tag_____ Tattoo

Breed(s):_______________________________________________________________

Color:____________________ Date (Month) of Birth:_________________________

Markings:______________________________________________________________

_____________________________________________________________________

Please Check One: Please Check One:

_____ Purchased _____ Raised _____ Cow _____ Heifer _____ Calf

_____________________________________________________________________

Name of Animal:________________________________________________________

Identification Number:_________ Type of Identification:____ Tag_____ Tattoo

Breed(s):_______________________________________________________________

Color:____________________ Date (Month) of Birth:_________________________

Markings:______________________________________________________________

_____________________________________________________________________

Please Check One: Please Check One:

_____ Purchased _____ Raised _____ Cow _____ Heifer _____ Calf
# My 4-H Beef Project Animal(s)

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<thead>
<tr>
<th>Name of Animal:</th>
<th>Identification Number:</th>
<th>Type of Identification:</th>
<th>Tag</th>
<th>Tattoo</th>
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<th>Breed(s):</th>
<th>Color:</th>
<th>Date (Month) of Birth:</th>
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<th>Markings:</th>
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Please Check One:

- Purchased
- Raised

Please Check One:

- Cow
- Heifer
- Calf

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<th>Name of Animal:</th>
<th>Identification Number:</th>
<th>Type of Identification:</th>
<th>Tag</th>
<th>Tattoo</th>
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<th>Breed(s):</th>
<th>Color:</th>
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<th>Markings:</th>
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Please Check One:

- Purchased
- Raised

Please Check One:

- Cow
- Heifer
- Calf
My 4-H Beef Project Photographs

Be creative. The more photographs the better, but a completed record book should at least have a beginning photograph and a finished picture. You are encouraged to be in the photo with your project animal and include additional photographs. You should also include captions on your pictures that at least include the date of the photograph. You may use additional pages.
My 4-H Beef Project Feed Ingredients

Attach a Feed Ingredients Slip/Nutritional Analysis from each of your feed sources. If the feed is mixed in a mill, ask the mill operator for a list of ingredients. If a slip is not available, please describe your feed sources as best as possible.
My 4-H Beef Project Feed Record and Expenses
In this section, you will explore how you feed your project animal.

This is what I feed my beef project: __________________________

_________________________________________________________

_________________________________________________________

_________________________________________________________

I feed my cattle (please check all that apply)

_____ Hay  _____ Pellets  _____ Supplements

_____ Grain  _____ Other __________________________

My Beef Project Expenses were:
(List what you or your parents spent during the project year for feed, supplies, equipment and veterinary assistance.)

<table>
<thead>
<tr>
<th>DATE OF EXPENSE</th>
<th>ITEM PURCHASED</th>
<th>VALUE ($)</th>
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My Beef Project Income was:

<table>
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<tr>
<th>DATE OF INCOME</th>
<th>ITEM SOLD OR RECEIVED</th>
<th>VALUE ($)</th>
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</table>
My 4-H Beef Project Experiences

This is what I learned in my Beef Project this year:
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

This is what I enjoyed most about this project:
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

My biggest challenge was:
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Next year in the Beef Project, I plan to:
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
Define the following terms:

1. Scours: ______________________________________________________________________
2. Bull: ________________________________________________________________________
3. Steer: _______________________________________________________________________
4. Cow: _________________________________________________________________________
5. Heifer: ______________________________________________________________________
6. Calf: _________________________________________________________________________
7. Quality Assurance: _______________________________________________________________________
8. Ruminant: _______________________________________________________________________
9. Colostrum: _______________________________________________________________________

Answer each of the following:

Describe how you prepared your animal for show.

What did you do to insure that you have raised a quality project?
Parts of the Steer

Fill in the number that matches the part of the steer.

<table>
<thead>
<tr>
<th>Age</th>
<th>Match</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 - 12</td>
<td>15</td>
</tr>
<tr>
<td>13</td>
<td>20</td>
</tr>
<tr>
<td>14</td>
<td>25</td>
</tr>
<tr>
<td>15 and up</td>
<td>All</td>
</tr>
</tbody>
</table>

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____ Arm        ____ Forehead        ____ Point of Shoulder
____ Back       ____ Forerib (heart girth) ____ Poll
____ Brisket    ____ Hind Flank      ____ Ribs
____ Cod        ____ Hock            ____ Round
____ Crest      ____ Hoof            ____ Rump
____ Crops      ____ Hook Bone       ____ Shank
____ Dew Claw   ____ Knee            ____ Shoulder
____ Dewlap     ____ Loin            ____ Shoulder Vein
____ Elbow      ____ Muzzle          ____ Switch
____ Face       ____ Neck            ____ Tailhead
____ Fore Flank ____ Paunch or Belly ____ Top of Shoulder
EXTRA CREDIT for My Breeding Beef Project

An outstanding 4-H project is one that goes above and beyond what is expected. This section will help you identify projects that you can do to improve your record book and have a better chance at receiving an outstanding ribbon.

Write a report on one of the following topics. Report must be at least one page:

- **FOLKPATTERNS**: Visit with a former livestock or dairy farmer to compare and contrast today’s Beef Projects with those in the past. What is better today? What was better in the past? OR describe the significance of the cow in Spain’s “Running of the Bulls.”
- **LEADERSHIP**: How you have become a better leader through your years in the 4-H Beef Project? Describe what you have done and how you have grown.
- **ANIMAL SCIENCE**: Describe the proper care and nutrition of your animal OR how you selected your animal.
- **VETERINARY SCIENCE**: Describe a veterinary practice, procedure on livestock OR explain the digestive system of the cow OR describe cross-breeding in cattle. Other bovine veterinary topics may be used for your report.

**Photography Report.** All photos are to be taken by the exhibitor (you). Choose one of the following topics:

- **My Beef Project**: Keep a photo journal of your beef project. Photographs should represent the entire length of the project. A minimum of 12 photos from eight DIFFERENT TIMES must be included. All photos do not have to be of the animal. They could be of club meetings, field trips, shows, etc.
- **Farm Visit**: Create a photo journal of a large beef or dairy operation. A minimum of 12 photographs are required.

**Leathercraft**: Include a project that can easily accompany this Breeding Beef Record Book and outline the process of making this beef by-product (from cow to finished product.)

**Entomology**: Create an Insect Collection with a minimum of 8 insects that affect cattle. Note, this could be pests, such as flies, mosquitoes or insects that eat crops that cows use as feed, such as corn, hay or oats.

**Environmental Science**: Draw a diagram of your beef set up. From that diagram, show how you can protect resources, such as groundwater. Include manure management and storage of hazardous materials. Check with MSU Montcalm Extension’s groundwater resources for more information.

**Foods & Nutrition**: Outline the nutritional content of beef (it varies depending on the cut.) Include sample recipes of “healthy” beef foods.

**Safety**: Outline safe practices of your beef project. Consider halter breaking, shipping, stable/fence area, fair/shows, etc.
## My 4-H Breeding Beef Project Record Book
### Score Sheet

<table>
<thead>
<tr>
<th>Page</th>
<th>Description</th>
<th>Possible Points</th>
<th>Your Points</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>COVER SHEET</td>
<td>5</td>
<td></td>
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<td></td>
<td>All information is completed.</td>
<td></td>
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</tr>
<tr>
<td>2</td>
<td>WHY KEEP RECORDS</td>
<td>5</td>
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<tr>
<td></td>
<td>Leader signed book.</td>
<td></td>
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<tr>
<td>3</td>
<td>MEMBER ACHIEVEMENT SUMMARY</td>
<td>10</td>
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<tr>
<td></td>
<td>All information is neat and complete.</td>
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<td></td>
<td>All questions are answered.</td>
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<tr>
<td>4-5</td>
<td>MY 4-H BEEF PROJECT ANIMAL(S)</td>
<td>10</td>
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<td>All information is neat and complete.</td>
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<td>All questions are answered.</td>
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<tr>
<td>6</td>
<td>4-H PROJECT PHOTOGRAPHS</td>
<td>10</td>
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<tr>
<td></td>
<td>Includes photographs of project animal(s).</td>
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<td>Captions included with pictures</td>
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<tr>
<td>7-8</td>
<td>FEED RECORD AND EXPENSES</td>
<td>10</td>
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<td>All information is neat and complete.</td>
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<td>9</td>
<td>PROJECT EXPERIENCES</td>
<td>10</td>
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<td></td>
<td>All information is neat and complete.</td>
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<tr>
<td>10</td>
<td>PROJECT KNOWLEDGE AND TERMS</td>
<td>10</td>
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<td>All information is neat and complete.</td>
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<tr>
<td>11</td>
<td>PARTS OF THE STEER</td>
<td>10</td>
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<td>All information is neat and complete.</td>
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<tr>
<td>12</td>
<td>EXTRA CREDIT (or another worthy project.)</td>
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<td></td>
<td>Points at Judge’s discretion.</td>
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<tr>
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<td>If project cannot be attached to record book, please add photos and describe.</td>
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<tr>
<td></td>
<td>Total Points</td>
<td>80</td>
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<td>A: 60 - 80; B: 45 - 59; C: 30 - 44; DQ: Under 30</td>
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