Montcalm County

Breeding Beef Project Record Book
All Ages

Name:_____

4-H Club:_____

4-H Leader:_____

4-H Age (as of 1/1):_____Years Showing 4-H Beef:_____

Record Started:_____   Record Closed:_____
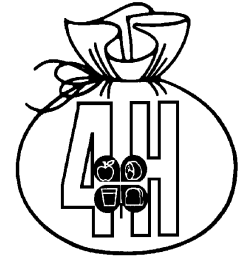Month/Day/Year   Month/Day/Year

MICHIGAN STATE UNIVERSITY | Extension

Rev. 11/2014

*W*HY 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.

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):_____
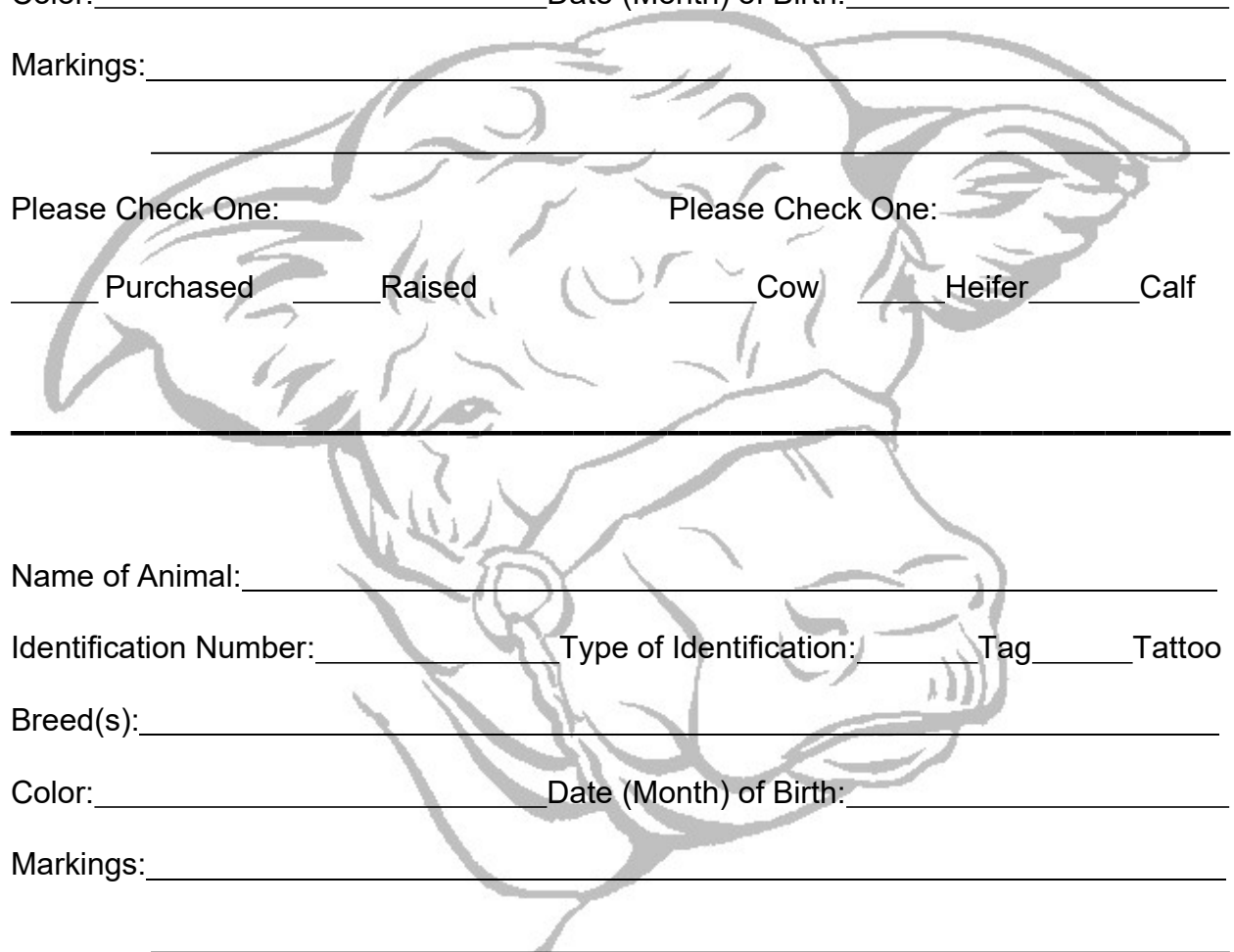
Color:_____Date (Month) of Birth:_____

Markings:_____

_____

Please Check One: Please Check One:

_____ Purchased   _____Raised   _____Cow   _____Heifer_____Calf

My 4-H Beef Project Animal(s)

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

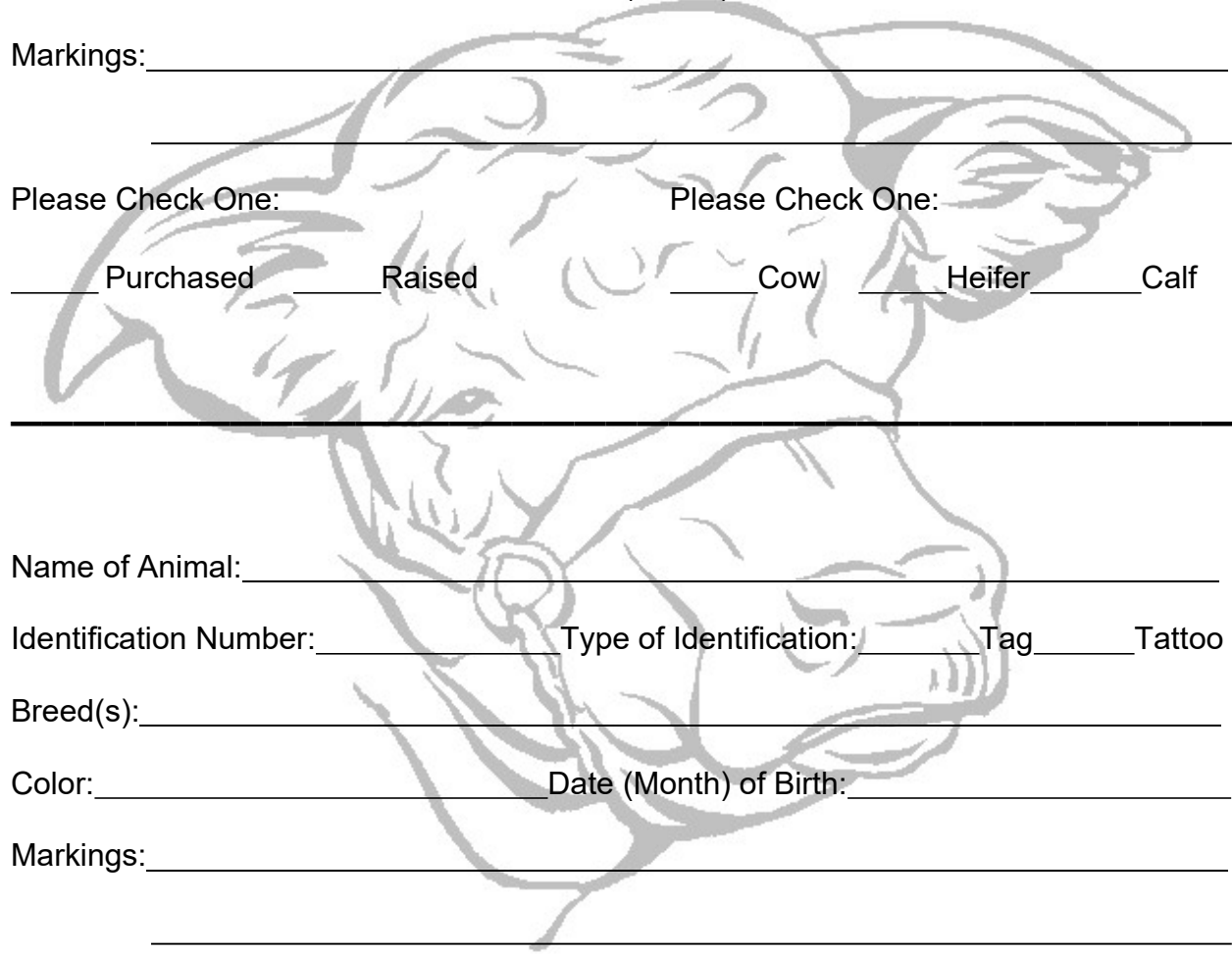Breed(s):_____

Color:_____Date (Month) of Birth:_____

Markings:_____

_____

Please Check One: Please Check One:
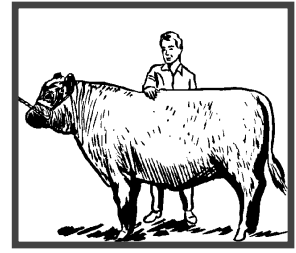
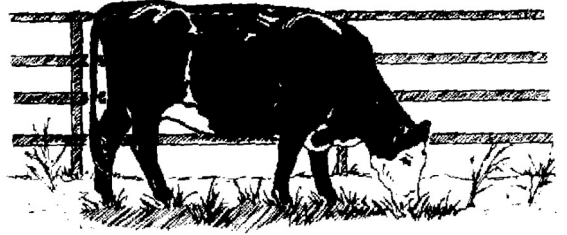_____ Purchased _____Raised   _____Cow _____Heifer_____Calf

My 4-H Beef Project 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.

Attach Feed Slip Here

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.)

DATE OF EXPENSE	ITEM PURCHASED	VALUE ($)

My Beef Project Income was:

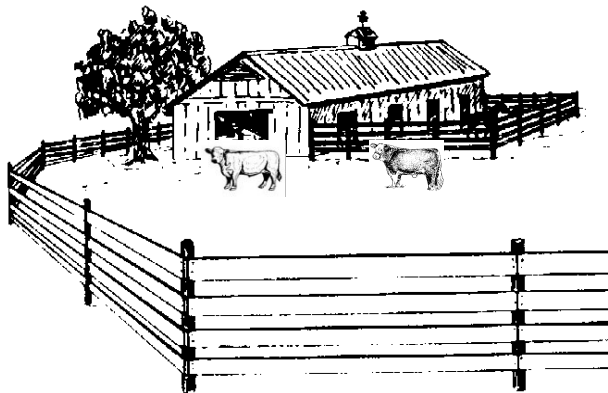| DATE OF INCOME	ITEM SOLD OR RECEIVED	VALUE ($)

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:_____

_____

_____

_____

Project Knowledge - Terms

Define the following terms:

1. Scours: _____

   _____

2. Bull: _____

   _____

3. Steer: _____

   _____

4. Cow: _____

   _____

5. Heifer: _____

   _____

6. Calf: _____

   _____

7. Quality Assurance: _____

   _____

8. Ruminant: _____

   _____

9. Colostrum: _____

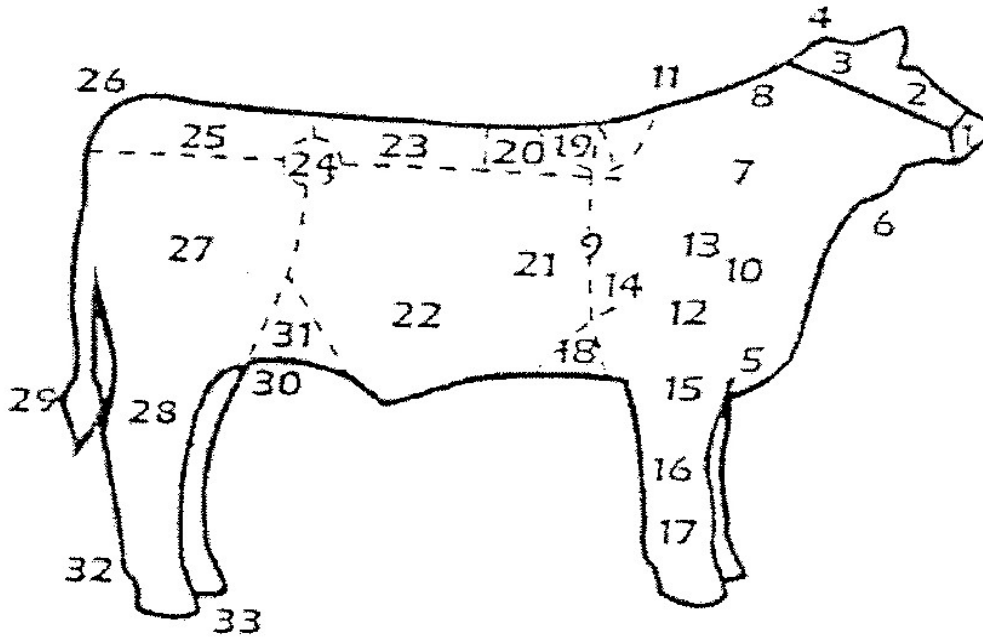   _____

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.

Age 8 - 12	Match 15
Age 13	Match 20
Age 14	Match 25
Age 15 and up	Match All

_____ 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

EXTRACREDIT 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

4-H Member: _____

4-H Club: _____

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