

# Muskegon County Youth Fair

## BEEF RECORD BOOK

*Version A*

Name: \_\_\_\_\_

4-H Club/FFA Chapter/Open: \_\_\_\_\_

Leader: \_\_\_\_\_

Age (as of January 1): \_\_\_\_\_

Years in Project Area: \_\_\_\_\_

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

Check One

**Junior:**  
8-11 years old

**Intermediate:**  
12-14 years old

**Senior:**  
15-19 years old

## *Record Book Instructions:*

### **DON'T CHANGE THE PAPER:**

Completed record books must be on standard letter sized (8.5"x11") white paper. Neatness is encouraged. Books must be fastened with a staple in the upper right hand corner or secured inside a 3-ring binder or folder.

### **DON'T BE LATE... KNOW THE DUE DATE:**

The date and time to turn in a completed record book will be listed on the Schedule of Events for Exhibitors printed in the front of the annual Fair Book.

### **USE THE RIGHT RESOURCES:**

Good resources to help complete this record book is the publication "Your 4-H Market Beef Project" (4-H1188) which is available by loan at the Muskegon County MSU Extension (4-H) Office and the "Beef Resource Handbook" (OSU Extension 4H117R) is available for checkout at the MSU Extension Office or online. Some answers will be found at [muskegonfairgrounds.com](http://muskegonfairgrounds.com) and inside the fair book general and species rules.

## *All about my beef project...*

For this section use the animal the exhibitor will exhibit at the fair.

Name (or identification) of my animal: \_\_\_\_\_

Tag Number: \_\_\_\_\_ Breed: \_\_\_\_\_

Color(s): \_\_\_\_\_ Date of Birth: \_\_\_\_\_  Actual Birthdate  
 Estimated Birthdate

Special Markings: \_\_\_\_\_

Please Check One:  Purchased  Raised Date of purchase: \_\_\_\_\_

Please Check One:  Steer  Feeder Steer

Purchase Price: \_\_\_\_\_ If you raised your animal, list the estimated market value.

Below, attach a beginning and ending picture. Please label the photos.

# All about my beef project...

You may choose to do the weight record OR the essay. You may not do both the weight record and the essay for this record book. The fair recommends all market exhibitors weigh their animals frequently but understands that access to a scale is not always available.

**CHOICE 1 - WEIGHT RECORD:** Do not complete the essay “Choice 2” below if you complete this section.

It is recommended to weigh your market beef animal(s) at least **once each month**. Use one chart for up to THREE animals. These should be the same market beef animals registered on the market beef registration form.

ANIMAL ID:				
DATE	METHOD <i>Scale, Band, Tape, etc.</i>	WEIGHT	WEIGHT	WEIGHT
<i>Beginning</i>				
<i>Ending</i>				

**CHOICE 2 - PROJECT ESSAY:** Do not complete the weight record “Choice 1” above if you complete this section.

Write and attach to your completed book an essay from one of the two essay topic choices.

Topic 1: Describe what judges look for in the show ring at the fair. Discuss steps you can take to present your animal in the best possible way to a judge.

Topic 2: With animal rights groups, such as PETA, looking to showcase animal abuse, what steps can you take to ensure your animal is raised comfortably.

- Junior exhibitors complete a one paragraph essay.
- Intermediate Exhibitors complete a one-half page essay.
- Senior Exhibitors complete a 1 page essay.

Essays should be type written, single spaced, in a standard size 12 font for intermediate and seniors; but may be handwritten for juniors.

# My project expenses:

List all expenses for this beef project and record the cost spent under the proper account. If your family/farm is providing feed, please estimate an approximate value. Add additional sheet if necessary.

<i>How many animals are in this project?</i>					
<b>Date of purchase</b>	<b>Purchase Description</b>	<b>Feed Cost</b>	<b>Vet/Health Cost</b>	<b>Bedding Cost</b>	<b>Other Cost</b>
<b>TOTAL Column Expenses</b>					
<b>TOTAL Project Expenses:</b> (find by adding Total Column Expenses together)					
<b>AVERAGE Cost per animal</b> (total project expenses divided by number of animals in project)					

# My business plan:

Senior exhibitors must answer the following questions:

The following calculations will help you learn about your ability to earn a profit for your participation in this agricultural project. Often in animal projects the profit margin for industrial feeder facilities have a slim profit margin. Let's see how you compare.

Average cost per animal (from page 2) \_\_\_\_\_

Purchase cost (of primary project animal) \_\_\_\_\_

**TOTAL EXPENSES (WHOLE PROJECT)** \_\_\_\_\_

Number of Project Animals in this report: \_\_\_\_\_

**AVERAGE COST PER ANIMAL:** \_\_\_\_\_

Finished Weight of Project Animal: \_\_\_\_\_

*Note: finished weight can be taken at home anytime during the week prior to fair or it can be the fair's official market weight.*

**BREAK EVEN PRICE:** \_\_\_\_\_

*To calculate break-even price divide the average cost per animal by finished weight.*

**What is the current market price of market steers?** \_\_\_\_\_

*Many market prices are reported PER 100 LBS. Divide that amount by 100 to find the price per pound.*

Would you have been able to make a profit if you would have sold your steer at a stock yard (Ravenna Livestock Auction for example) at this current market price rather than the fair's livestock sale? Why or why not?

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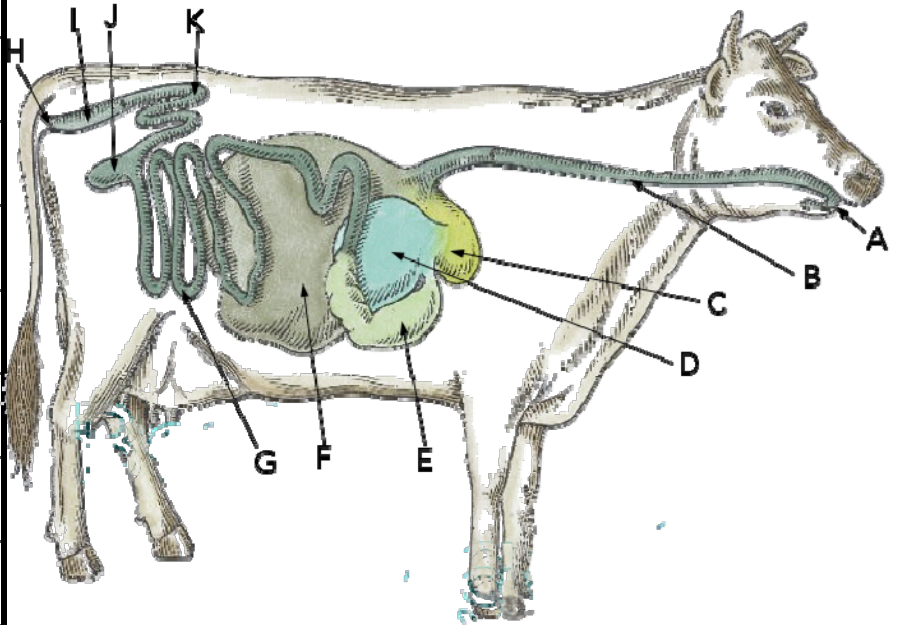
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# Digestion & Nutrition:

*All exhibitors:* Label the following cow digestive system.

A	
B	
C	
D	
E	
F	
G	
H	
I	
J	
K	



*Intermediate & Senior exhibitors:*

List the four chambers of the cow's stomach and describe the function of each.

*Senior Exhibitors:*

What is the advantage for having a four-chambered stomach for a ruminant animal?

# My General Beef Knowledge:

*Ages 8 to 19 complete the following questions:*

Market beef steers at the Muskegon County Youth Fair must have a minimum weight of \_\_\_\_\_ lbs. in order to show in market and sell.

All cattle (not just market) shown at MCYF must have this in their ear \_\_\_\_\_.

What is the ideal weight of a finished market steer? \_\_\_\_\_

What time must all fair animals be fed and watered and have their pens cleaned by? \_\_\_\_\_.

The essential nutrients for beef cattle are \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

Cattle will drink up to \_\_\_\_\_ gallons per day, depending on their \_\_\_\_\_ and the \_\_\_\_\_.

MCYF Exhibitors must show \_\_\_\_\_ animals in showmanship classes.

You know your steer best, if you suspect your steer becomes ill at the fair you should report this to the \_\_\_\_\_.

List steps you can take to keep cattle healthy.

\_\_\_\_\_  
\_\_\_\_\_

*Ages 12 to 19 complete the following questions:*

The primary function of market animals is \_\_\_\_\_. In market animals, traits such as \_\_\_\_\_ and \_\_\_\_\_ are emphasized. \_\_\_\_\_ and \_\_\_\_\_ are also examined.

List six characteristics that are important when evaluating breeding stock:

\_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_

*Listed below are initials of diseases. Give the correct name, list if it is a virus or a bacteria, and provide symptoms of the disease.*

**IBR:** NAME: \_\_\_\_\_

V IRUS OR BACTERIA

SYMPTOMS: \_\_\_\_\_

**BVD:** NAME: \_\_\_\_\_

V IRUS OR BACTERIA

SYMPTOMS: \_\_\_\_\_



**BRSV** NAME: \_\_\_\_\_

V IRUS OR BACTERIA

SYMPTOMS: \_\_\_\_\_

**PI3:** NAME: \_\_\_\_\_

V IRUS OR BACTERIA

SYMPTOMS: \_\_\_\_\_

How can ring worm spread? \_\_\_\_\_

\_\_\_\_\_

What is an RFID Tag and what is its purpose? \_\_\_\_\_

\_\_\_\_\_

*Ages 15 to 19 complete the following questions:*

Define a parasite: \_\_\_\_\_

\_\_\_\_\_

List problems parasites can cause: \_\_\_\_\_

\_\_\_\_\_

List 3 examples of internal parasites: \_\_\_\_\_

\_\_\_\_\_

What can be used to control/treat internal parasites? \_\_\_\_\_

\_\_\_\_\_

List 3 examples of external parasites: \_\_\_\_\_

\_\_\_\_\_

What can be used to control/treat internal parasites? \_\_\_\_\_

\_\_\_\_\_

According to Beef Quality Assurance where is the proper location for vaccinations on a steer?

\_\_\_\_\_