

OCEANA COUNTY 4-H SMALL MARKET ANIMAL
EDUCATIONAL RECORD BOOK - 2020
Young beef & feeder calf project
(ages 8 and up)



If you are a little buddy check here: _____

My big buddy is: _____

As a member of the Small Market Animal Project, you are required to submit your records as part of an educational project notebook in order to show your animal at the Oceana County Fair. **This notebook must be shown to the Oceana County 4-H Market Livestock Committee's Weighmaster at the time of weigh-in and then entered by you in the Educational Notebook Division of the Oceana County Fair on Entry day.**

AGE: _____

The age you enter depends on how old you were on January 1, 2020.

Number of years in project: _____

Use this sheet as the first page of your project record book. Fill it out completely.

Please print or type neatly.

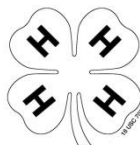
NAME _____

4-H CLUB _____

BREED _____ NAME _____

DATE OF BIRTH _____ DATE RECORD STARTED _____

LOCATION OF WHERE ANIMAL IS RAISED _____



JUDGE'S SCORE/COMMENT SHEET

(PLEASE DO NOT REMOVE, PLACE THIS SHEET IN SHEET PROTECTOR OR GLUE TO COVER). This sheet must be keep free to the judge to write their comments.

This sheet should help each 4-H'er understand their ribbon placing.

A. **Specific educational value or worth**

- All questions were answered completely
- All calculations were correct
- Calculations were incorrect
- Questions were not completely answered
- Questions were not answered (missed questions)

B. **Notebook contains all project records**

- Notebook contained all project records and were fully completed
- Notebook contained additional project related information (research materials etc.)
- Project records were incomplete
- There was no additional project related information

C. **Accuracy, neatness and general appearance**

- Notebook was neat in appearance (typed/hand printed)
- Notebook pages were clean and stain free
- Notebook pages were in order and complete
- Notebook pages were out of order and missing pages
- Notebook was difficult to read and messy
- Notebook had wrinkled and stained pages

Other Comments: _____

OBJECTIVES

1. Develop desirable work habits, sportsmanship, and ability to cooperate and express ideas through participation in projects, discussions, method demonstrations, judging teams, and exhibits.
2. Experience the pride and responsibility of leasing/owning and caring for beef.
3. Learn how to feed, fit, show, breed and raise beef.
4. Learn proper handling procedures to prevent injuries to 4-H members and their beef projects.
5. Appreciate and use scientific information in beef production and marketing.
6. Improve knowledge of grading, marketing and merchandising of beef products.
7. Learn the importance of the beef industry to the local, state, and national economies.
8. Acquire information on the opportunity that beef offers as a career.

This record book is part of your Small Market Young Beef/Feeder Calf project. By keeping records up-to-date you will be able to see how much progress you make as you set goals and work to accomplish them. Write or type neatly and clearly. Please keep the pages in order. Feel free to add extra pages at the end of your notebook. Pictures are a required part of your notebook. Taking pictures of your project animal throughout the project will indicate how your animal has grown and developed. Add pictures to your notebook on a separate piece of paper.

SCORING CRITERIA

The following breakdown will be used during the judging process of all market livestock notebooks.

A. Specific educational value or worth	30%
B. Creative way of showing what has been learned	10%
C. Notebook contains all project records	50%
D. Accuracy, neatness and general appearance	10%

The Oceana County 4-H Small Market Animal Committee encourages 4-H Leader and parent assistance with your project and project notebook. If you should have any questions, please contact the MSU Extension Office.

If you needed extra help in filling out your notebook please have whoever helped sign below that the answers are YOUR answers and that they assisted you in the writing of the answers and understanding of the questions only.

(Signature of person helping with notebook)

(Signature of 4-H member)

JOURNAL OF ANIMAL CARE

The 4-H SMAA Committee is **requiring all** 4-H Market Livestock members to complete the "Journal of Care" so the judge may see the time, effort and care you have put into learning about your animal.

** It will be assumed that you walked & fed your animal, but what additional things have you done such as; **washed, clipped, trimmed, foot care, health practices, medicines, halter breaking, training, had vaccinated, etc.** **

MARCH:

APRIL:

MAY:

JOURNAL OF CARE- (continued)

JUNE:

JULY:

AUGUST:

If not housed at your home, have the property owner sign. If housed at your home, please have your parent sign.

I do attest and certify that this 4-Her has cared for this animal in a responsible manner while housed on my property. I also understand that integrity and responsibility are important to this 4-H experience.

Signature of Property Owner or Parent
If housed on own property

Date

PROJECT INFORMATION

The start of the project will be the date the exhibitor placed the animal on feed. The end of the project will be weigh-in at fair.

Project Start Date _____ Project End Date _____

What month was your calf born? _____

Please fill in the following information about your calf.

Calf's Name	Calf's RFID Number	Breed	Date of Purchase	Price or Value	Starting Weight	Ending Weight	Total Pounds Gained

Note: Ending Weight-Starting Weight= Total Pounds Gained

MARKETING

One of the most important parts of any market animal project is marketing; this is how you get someone to come to the auction to buy your animal. It may include things such as writing letters and talking to possible buyers.

- What did you do to market your animal?
- If you had a market project in the past what did you do differently this year?

(A) MONTHLY FEED RECORD & EXPENSES

Month	Type of feed used- List the main ingredient	Lbs. of feed used for the month	Cost of feed used for the month
February			
March			
April			
May			
June			
July			
August			

(A) Total Cost of Feed \$ _____

(B) OTHER PROJECT EXPENSES

DATE	VET, BEDDING, EQUIPMENT, TRUCKING, CLIPPING, MARKETING/BUYER RECOGNITION, ETC.	COST
		\$
	(B) TOTAL SPENT ON OTHER EXPENSES	\$

(C) COST OF FEEDER CALF \$ _____

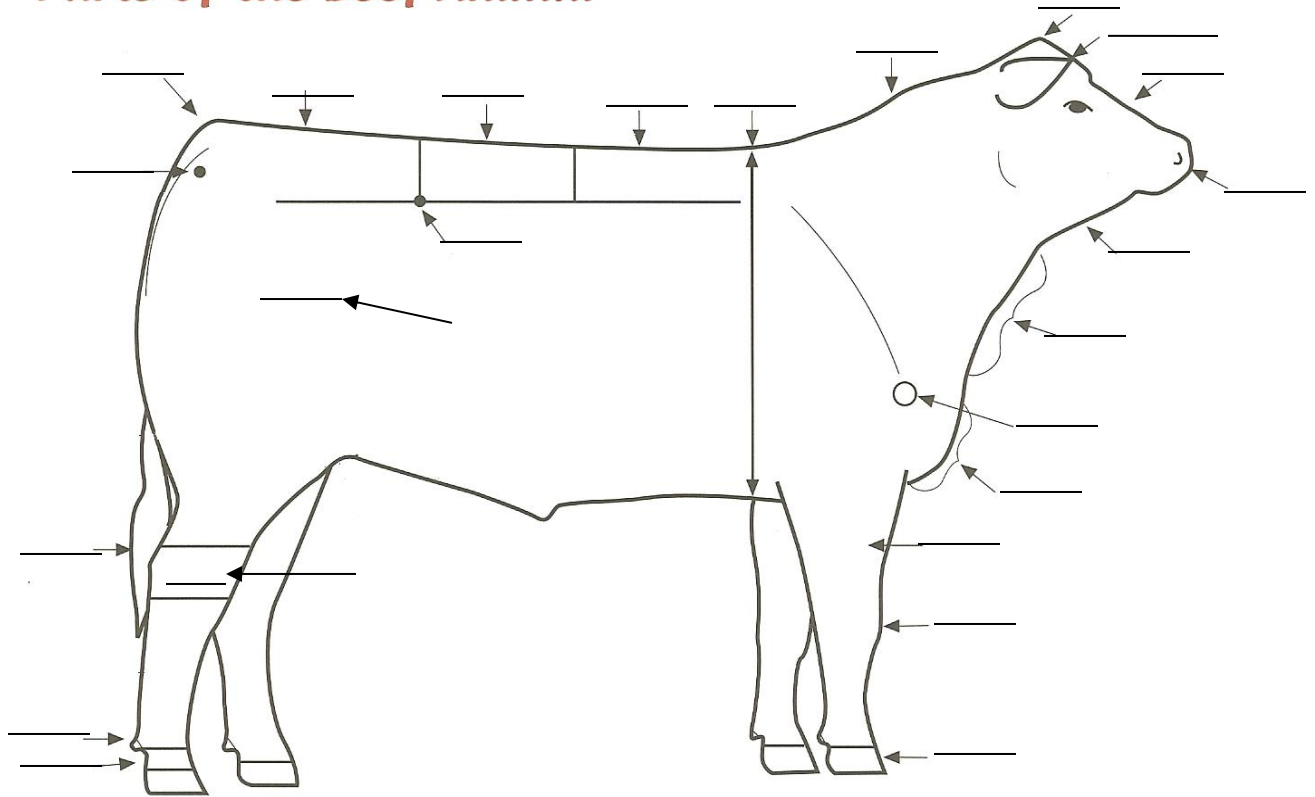
TOTAL EXPENSES (A+B+C) = **\$ _____ (TE)**

$$\frac{\text{Total Expenses (TE)}}{\text{Final Weight (FW)}} = \text{Break Even Price (BE)}$$

(or total cost per pound to raise your animal)

**** The breakeven price is the price that you need to get at the Small Market animal auction in order to not lose money on your market project ****

Parts of the Beef Animal



Write the Letter from Below Next to the Correct Beef Part Above

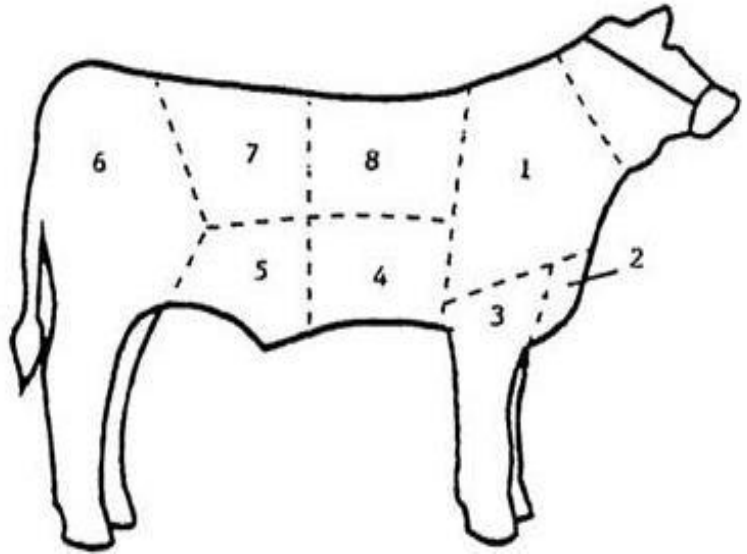
- | | | |
|-------------------|---------------------|-----------------------------|
| A. BACK | B. BRISKET | C. CREST |
| D. DEWCLAW | E. DEWLAP | F. EAR |
| G. FACE | H. FOREARM | I. HEART GIRTH |
| J. HOCK | K. HOOK | L. HOOK |
| M. KNEE | N. LOIN | O. MUZZLE |
| P. PASTERN | Q. PIN | R. POINT OF SHOULDER |
| S. POLL | T. QUARTER | U. RUMP |
| V. SWITCH | W. TAIL HEAD | X. THROAT |

**Courtesy of the Beef Resource Handbook 4-H 117R-The Ohio State University Extension*

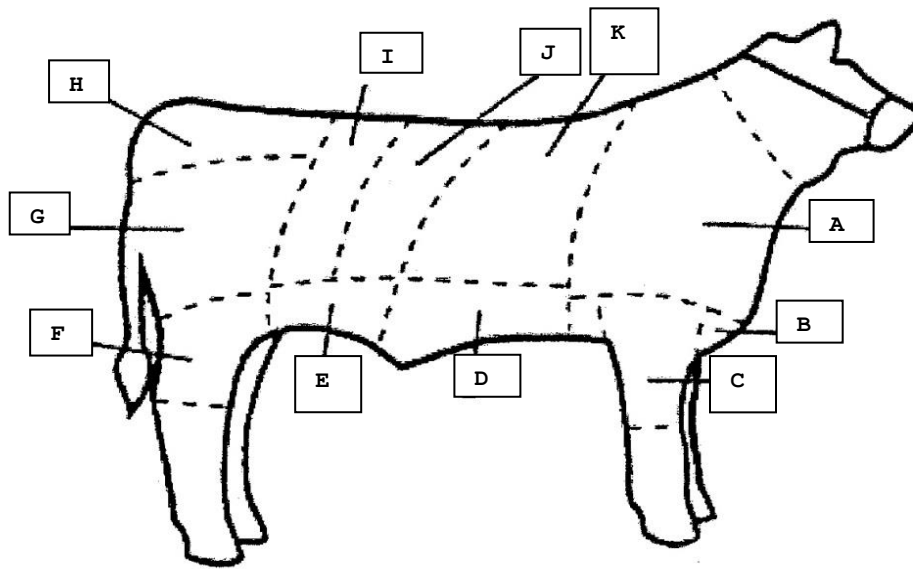
WHOLESALE CUTS OF BEEF

Fill in the number from the picture that coincides with the correct part.

- | | |
|-------------|-----------|
| ___ BRISKET | ___ CHUCK |
| ___ FLANK | ___ LOIN |
| ___ PLATE | ___ RIBS |
| ___ ROUND | ___ SHANK |



RETAIL CUTS- Fill in the letter from the picture that coincides with the correct part.



WORD BANK

- | | | |
|-------------------|------------------|-----------------|
| ___ BRISKET | ___ FLANK STEAK | ___ ROUND STEAK |
| ___ SHORT RIBS | ___ CHUCK ROAST | ___ GROUND BEEF |
| ___ RUMP ROAST | ___ STEW STEAK | ___ RIB STEAK |
| ___ SIRLOIN STEAK | ___ T-BONE STEAK | |

BREED SCRAMBLE- Unscramble the following popular beef breeds

MATCH the breeds by drawing a line from the Breed to its description.

S N H R O O R H T

Originally called Durhams, this British breed can be red, white or roan in color. They are noted for their good disposition, mothering and ,and milk production.

U O A N J - M I E A N

Large framed, red and white in color from France. This is the largest French breed of cattle.

G U S N A

Solid black polled breed. They are the most numerous cattle in the US and are noted for high quality carcasses.

F O E D R H E R

White faced, known for their mothering & foraging ability plus their docile disposition. The 2nd most numerous breed in the US.

M M E N S I L A T

White faced, red or yellow breed. They are noted for good milk production. American versions are black or red with a blazed face.

L A O H C R A I S

Large frame, solid white breed from France. They are known for their fast growth rates.



MATCH THE DEFINITION TO THE CORRECT TERM

WRITE IN THE CORRECT LETTER ON THE LINE

- | | |
|-----------------|---|
| ___ Breeds | A. A young, female beef animal that has not calved |
| ___ Calf | B. Groups of cattle with similar traits/common origin |
| ___ Dam | C. An animal that doesn't have horns because of genetics |
| ___ Finish | D. A young beef animal less than one year of age |
| ___ Heifer | E. Amount of fat cover on an animal |
| ___ Ruminant | F. A sale where bids are received and the animal is sold |
| ___ Flight Zone | G. Method to tie a halter in which pulling on the free end will untie the knot |
| ___ Ration | H. An animal that has 4 stomach compartments |
| ___ Polled | I. Skins from cattle |
| ___ Hide | J. Feed fed to an animal during a 24-hour period |
| ___ Auction | K. The mother of a calf |
| ___ Herd | L. Group of cattle |
| ___ Slip Knot | M. The animal's safety zone |

SHOW BOX SUPPLIES

- | | |
|-----------------------|---|
| ___ Adhesive | A. Used for applying any liquid hair preparation |
| ___ Scotch Comb | B. Dressier appearing halter for the showing |
| ___ Flathead Clippers | C. Used to hold the calf's hair in place |
| ___ Show Halter | D. Used to pick manure up out of the stall |
| ___ Spray Bottle | E. Used to style the calf's hair |
| ___ Stall Fork | F. Used for clipping when a shaved look is desired |
| ___ Show Stick | G. Used for setting the calf's feet & calming the animal in the showing. |

THE 5 FOOD GROUPS - **MATCH** the term with the correct statement by drawing a line.

TERM:

Concentrates	Carbohydrates and fats that provide for body growth and maintenance.
Proteins	Grains that are high in energy, low in fiber and easily used by the steer.
Energy	Leafy green plants such as alfalfa and grasses.
Roughage	Nutrients the build bones and teeth and support other life functions.
Minerals	Just as important as other feed nutrients, but are needed in smaller amounts.
Water	The most important part of a steer's diet
Vitamins	The building blocks of which most steer body tissues are made.

(courtesy of Kansas State 4-H Youth Programs-online)

DISEASES - find the following diseases in the puzzle below and circle them, they may be up, down forward or backwards

W	A	R	T	S	B	L	A	C	K	L	E	G
H	A	R	T	M	O	N	T	A	G	U	E	R
P	E	N	T	W	A	T	E	R	S	H	E	A
T	L	M	B	Y	N	E	W	E	E	R	A	S
O	S	R	U	O	C	S	O	Y	C	E	A	S
R	N	O	A	B	A	S	K	E	T	B	A	T
T	L	W	L	M	W	B	V	K	O	P	N	E
O	T	G	L	C	M	L	B	N	Q	U	X	T
O	P	N	E	U	M	O	N	I	A	F	L	A
F	U	I	S	P	A	A	R	P	T	A	N	N
C	I	R	B	G	O	T	G	R	E	E	N	Y

<u>WORD BANK</u>
BLACKLEG
BLOAT
FOOT ROT
GRASS TETANY
PINKEYE
PNEUMONIA
RINGWORM
SCOURS
WARTS

ANSWER THE FOLLOWING QUESTIONS:

1. Why did you pick the steer that you picked? _____

2. What is the best feature(s) of your market steer? _____

3. What feature(s) of your market steer could use improvement? _____

4. Will you do a feeder calf project again? _____ Why or why not?

The 4-H Pledge
Complete the Pledge

I Pledge:

My _____ to clearer thinking,

My _____ to greater loyalty,

My _____ to larger service, and

My _____ to better living,

For my _____, my _____,

My _____, and my _____.

The 4-H Mottos is: _____.

4-H ACTIVITIES

Number of club meetings held: _____ Number you attended: _____

List any club activities in which you have:

- **participated in**
- **responsibilities which you have assumed**

(for example: Community service events, workshops, judging contest, clinics, offices held, parades representing 4-H, etc., if none, write none)

Activity	Date	Location	Placing, Position or Comments

MY 4-H STORY

Interesting things that happened to me and my animal this year, challenges, highlights of my year or anything else I would like to share about my overall 4-H experience.



POTENTIAL BUYER'S NAMES

As part of your 4-H Small Market Animal Project, you must personally contact at least five potential buyers before the Oceana County Fair. You are encouraged to seek two new buyers that have not been asked or submitted before. **You also must have at least three different buyers than those of your siblings in the market livestock project.** Please confirm with your buyers their accurate mailing address (example: post office box vs. a street address). The information on page 16 must be completed and taken to the Oceana County MSU Extension Office on or before the due date where it will be **copied** and used to send out letters to your potential buyers. This page will remain in your notebooks. This is a Small Market Animal Committee rule. Failure to comply will result in not being able to sell your animal in the 4-H Small Market Animal Sale.

**4-H SMALL MARKET ANIMAL POTENTIAL BUYERS LIST
YOUNG BEEF AND FEEDER CALF PROJECT (8 & up)**

Name _____ Club _____

Please print business names, phone numbers and complete addresses clearly.

1. Contact Name _____
Business Name _____
Mailing Address _____ **City** _____ **Zip** _____
Phone _____
Signature _____

2. Contact Name _____
Business Name _____
Mailing Address _____ **City** _____ **Zip** _____
Phone _____
Signature _____

3. Contact Name _____
Business Name _____
Mailing Address _____ **City** _____ **Zip** _____
Phone _____
Signature _____

4. Contact Name _____
Business Name _____
Mailing Address _____ **City** _____ **Zip** _____
Phone _____
Signature _____

5. Contact Name _____
Business Name _____
Mailing Address _____ **City** _____ **Zip** _____
Phone _____
Signature _____

(Must be stamped by the MSU Extension Office)

PICTURES OF YOUR PROJECT

(Please use this page for your project pictures. Add additional pages if you would like.
The judges appreciate captions or labels with your pictures
to know what the picture is about.)

CLUB POINTS
SMALL MARKET ANIMAL ASSOCIATION/JR MARKET PROJECT
ATTENDANCE RECORD

MEETING NAME	LOCATION	DATE	POINTS	SIGNATURE OF LEADER

Please note: This form must be included with your record notebook and turned into the weigh master on entry day of the Fair. You need to accumulate **nine (9)** points to be allowed to sell your animal. **Six (6)** of these nine (9) points must come from club meetings. **Three (3)** nonclub points must come from other types of meetings (example: clinics, shows, workshops, fair clean-up and/or county-wide awards).

NON-CLUB POINTS

SMALL MARKET ANIMAL ASSOCIATION/JR MARKET PROJECT ATTENDANCE RECORD

(must be filled out by participant before requesting signatures in the MSUE Office)

MEETING NAME	LOCATION	DATE	POINTS	SIGNATURE OF LEADER, SUPERINTENDENT OR MSU STAFF

Please note: This form must be included with your record notebook and turned into the weigh master on entry day of the Fair. You need to accumulate **nine (9) points** to be allowed to sell your animal. **Six (6)** of these nine (9) points must come from club meetings. **Three (3)** nonclub points must come from other types of meetings (example: clinics, shows, workshops, fair clean-up and/or county-wide awards).