

OCEANA COUNTY 4-H SMALL MARKET ANIMAL
EDUCATIONAL RECORD BOOK - 2024
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, 2024.

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.

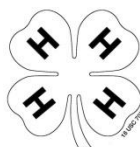
NAME _____

4-H CLUB _____

BREED _____ NAME _____

ANIMAL'S 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 writing if needed)

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	Estimated Starting Weight	Ending Weight (may be estimated due to Covid restrictions)	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?

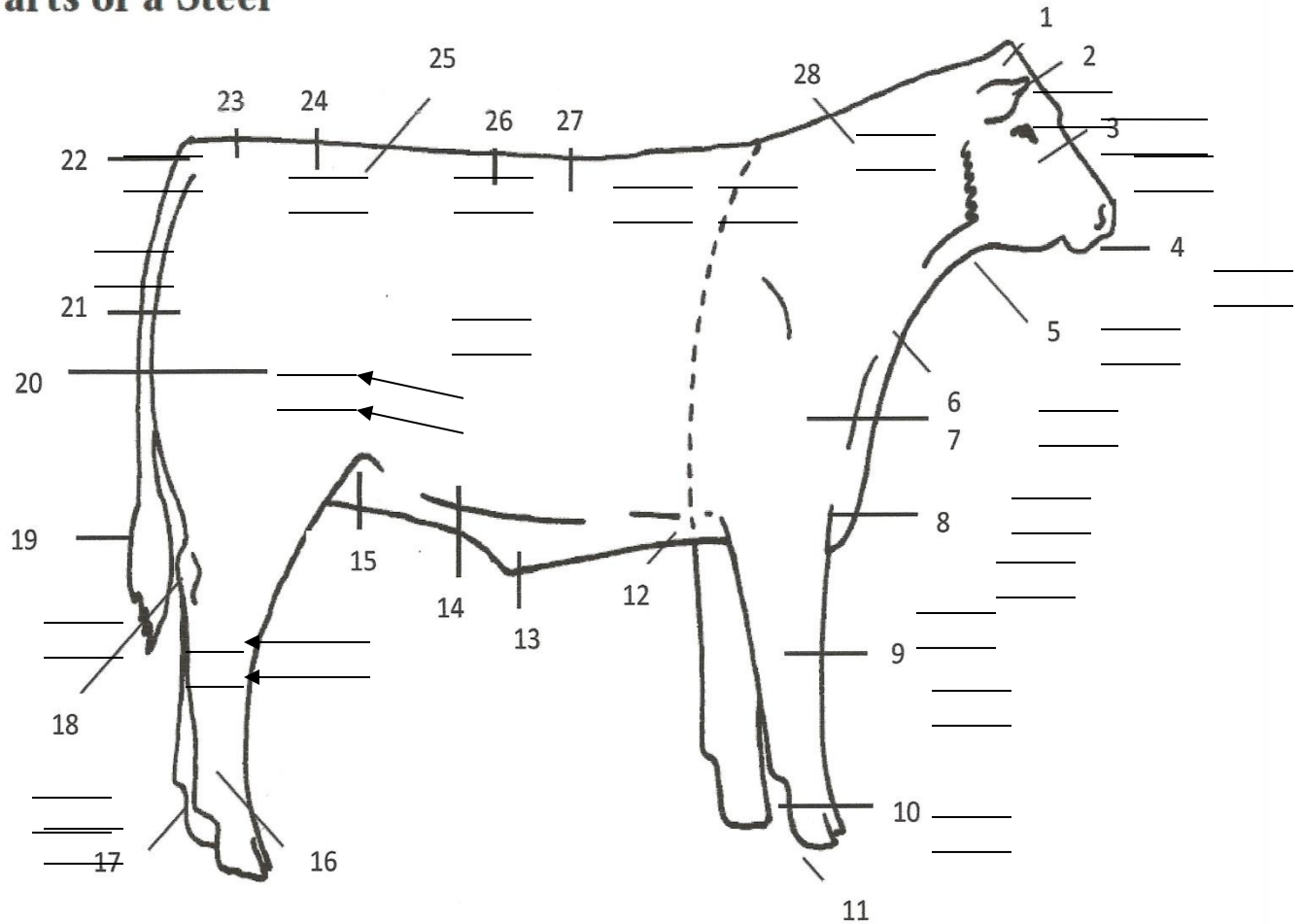
(A) MONTHLY FEED RECORD & EXPENSES

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 \$ _____

(Ages 9 & up do this page)

Parts of a Steer

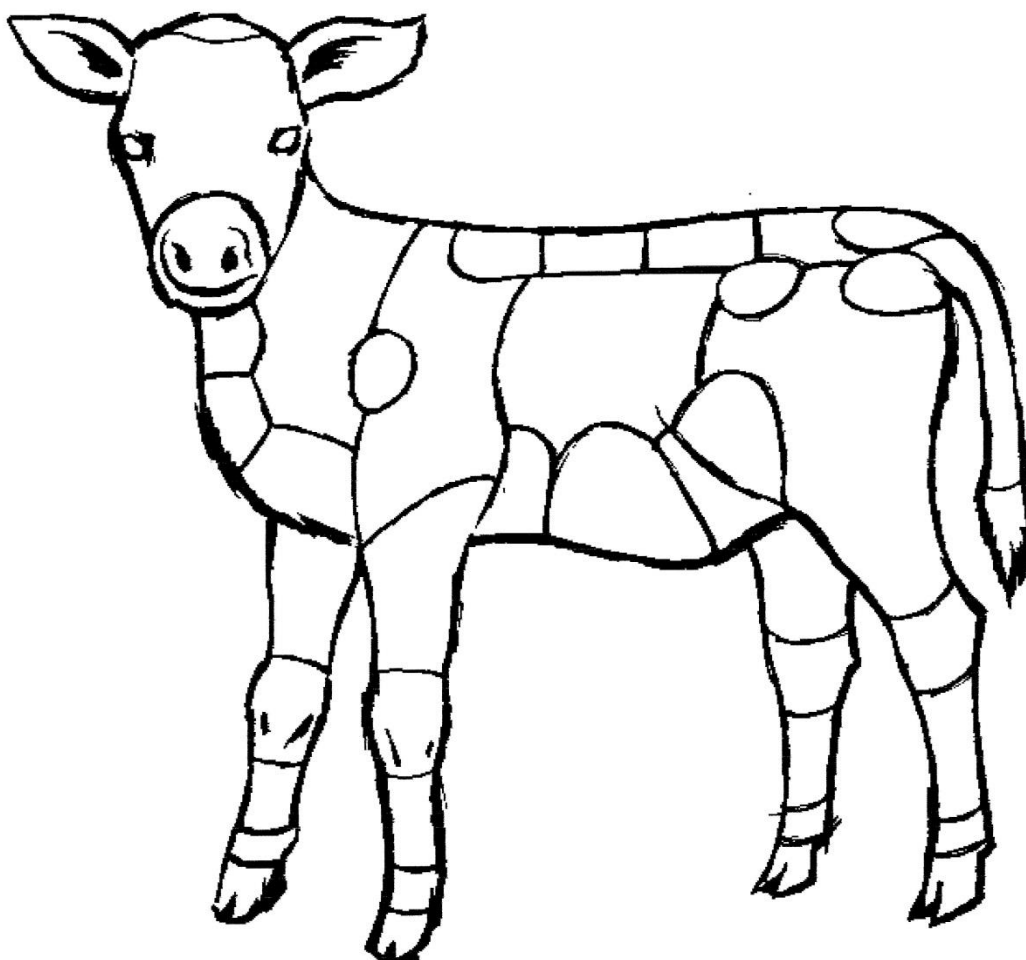


-
- | | | | |
|-------------|------------|-----------------|-----------------------|
| ___ Poll | ___ Neck | ___ Rump | ___ Belly or Middle |
| ___ Face | ___ Loin | ___ Hoof | ___ Quarter or Round |
| ___ Throat | ___ Pins | ___ Muzzle | ___ Cannon Bone |
| ___ Brisket | ___ Switch | ___ Dew Claw | ___ Tail Head |
| ___ Knee | ___ Back | ___ Stifle | ___ Rear Flank |
| ___ Sheath | ___ Hock | ___ Hooks | ___ Point of Shoulder |
| ___ Pastern | ___ Ear | ___ Dewlap | |
| | | ___ Heart Girth | |

(Ages 8 do this page)

COLOR A RAINBOW CALF
BEEF, LEVEL I
Activity Sheet 1, Rainbow Calf

Courtesy of Kansas State
University, Beef Leader Notebook

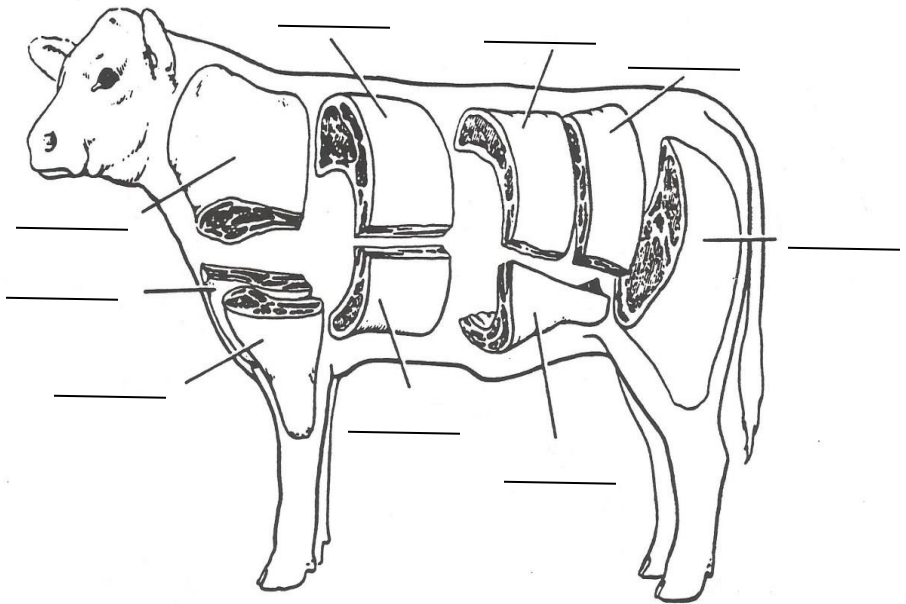


IDENTIFY THE PARTS OF THE FEEDER CALF BY COLORING THE PARTS AS LISTED BELOW:

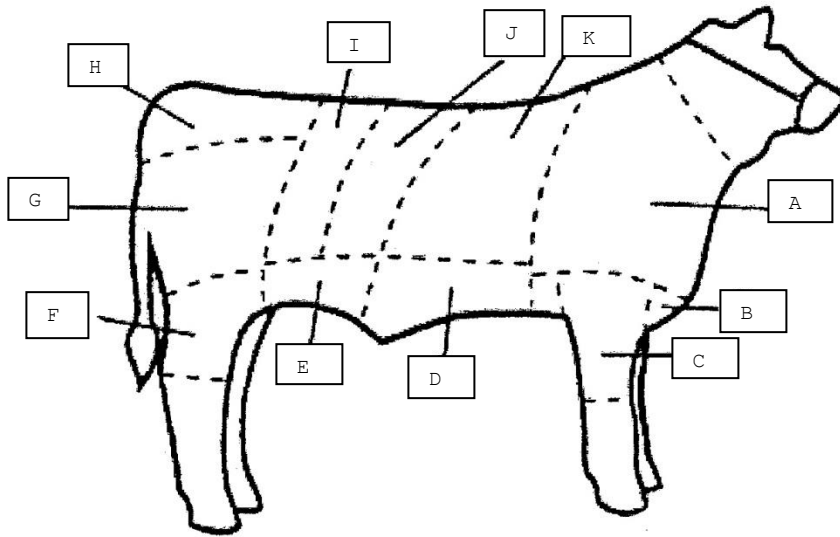
- | | | |
|------------------------------|---------------------------|---------------------|
| 1. Poll- Orange | 12. Heart Girth- Red | 23. Hooks- Blue |
| 2. Ear- Pink | 13. Belly or Middle- Pink | 24. Loin- Red |
| 3. Face- Purple | 14. Rear Flank- Green | 25. Back- Orange |
| 4. Muzzle- Green | 15. Hock- Purple | 26. Ribs- Purple |
| 5. Throat- Yellow | 16. Cannon Bone- Blue | 27. Tail- Blue |
| 6. Dewlap- Red | 17. Stifle- Blue | 28. Crops- Purple |
| 7. Point of Shoulder- Orange | 18. Switch- Pink | 29. Shoulder- Pink |
| 8. Brisket- Blue | 19. Quarter or Round- Red | 30. Neck- Brown |
| 9. Knee- Purple | 20. Tail Head- Yellow | 31. Forearm- Orange |
| 10. Pastern- Yellow | 21. Pins- Green | 32. Eye- Brown |
| 11. Hoof- Orange | 22. Rump- Brown | |

Write the letter on the line that lists the correct part.

- A. BRISKET
- B. CHUCK
- C. FLANK
- D. FORE SHANK
- E. RIB
- F. ROUND
- G. SHORT LOIN
- H. SHORT PLATE
- I. SIRLOIN



FILL IN THE RETAIL CUTS OF BEEF USING THE WORDS IN THE WORD BANK



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

A. _____ D. _____ G. _____ J. _____

B. _____ E. _____ H. _____ K. _____

C. _____ F. _____ I. _____

NUTRIENTS - find the following nutrients for your calf by circling the words in the puzzle below, they may be up, down forward or backwards

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

- WORD BANK**
1. Corn
 2. Energy
 3. Forage
 4. Grains
 5. Hay
 6. Minerals
 7. Protein
 8. Roughage
 9. Vitamins
 10. Water

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. |

BREEDS

(match the breeds by writing in the correct letter on the line that matches the definition)

- ___ BRAHAM **A.** Large frame, solid white breed from France. They are known for their fast growth rates.
- ___ CHAROLAIS **B.** Large muscled, red to gold breed from the French region of Limousin and Marche.
- ___ CHIANINA **C.** Solid black polled breed. Most numerous cattle in the US. Originated in Scotland.
- ___ HEREFORD **D.** White faced, red cattle. Known for their mothering & foraging Second most numerous breed in the US. ability plus their very docile disposition.
- ___ SIMMENTAL **E.** Developed in a cold, rocky, harsh environment this breed's important traits are small frame size, calving ease and cold weather tolerance.
- ___ LIMOUSIN **F.** Developed as a draft animal, the most important traits are extreme size & strength. They are the largest cattle in the world.
- ___ ANGUS **G.** White faced, red or yellow breed from Simme Valley Switzerland. Noted for good milk production. American versions are black or red with a blazed face.
- ___ SOUTH HIGHLAND **H.** Developed in a hot environment this breed's important traits are disease resistance, heat & tolerance hardiness.



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

FIND THE CATTLE WORDS ABOVE

(may be forward, backward, up or down) Make sure you know what the words mean, if you do not then ask your leader, parent, older youth leader, etc.)

AGRICULTURE

PASTURE

BARN

HOOVES

COLOSTRUM

FINISH

BEEF

WATER

FEED

CALF

GRASS

RUMINANT

GRAIN

PROTEIN

POLLED

HAY

STEER

WARTS

STEAK

AUCTION

HAMBURGER

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 HEAD to clearer _____,

My HEART to greater _____,

My HANDS to larger _____, and

My HEALTH to better _____,

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:

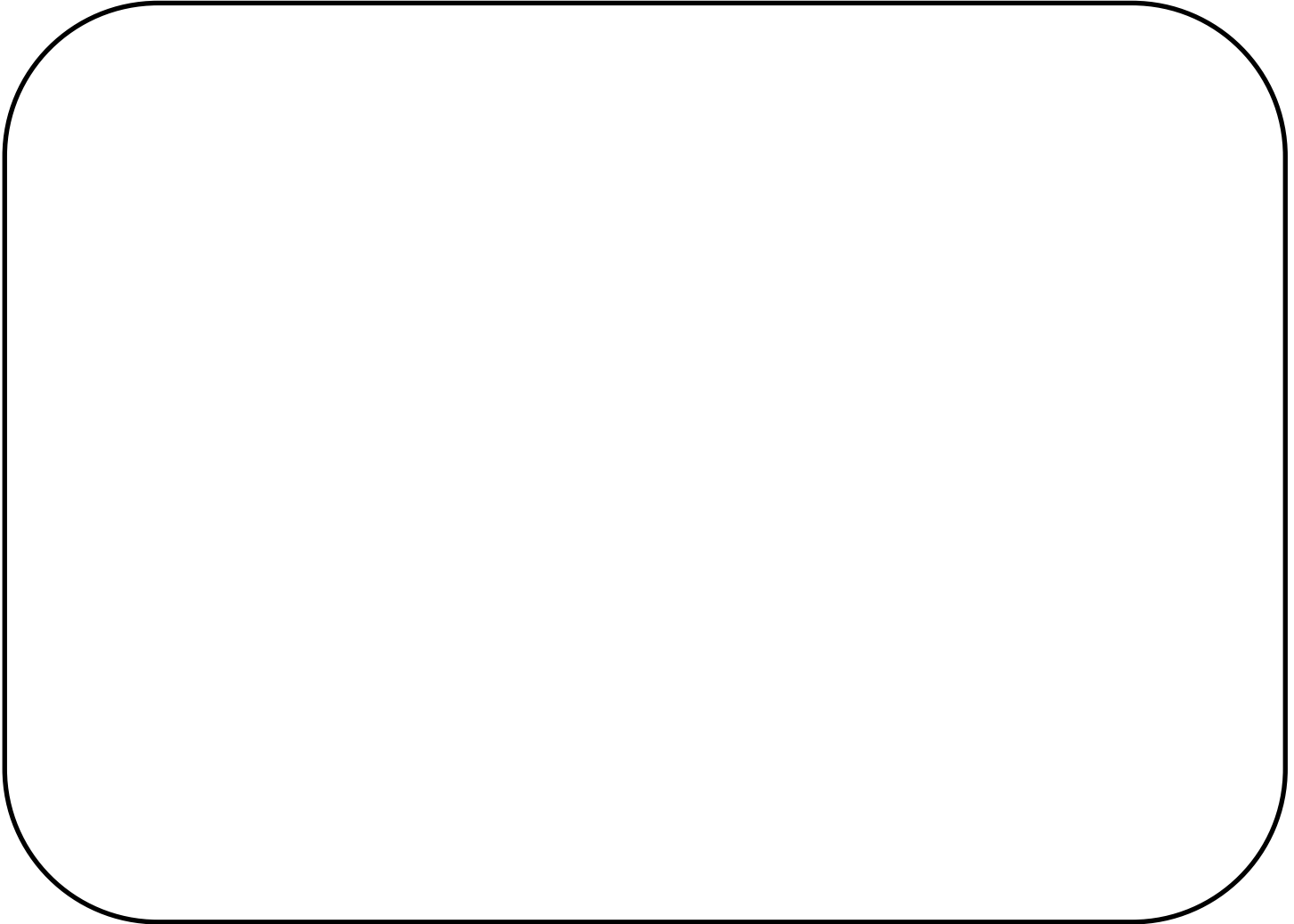
- **participated in**
- **responsibilities which you have assumed**

(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 BUYERS NAMES

As part of your 4-H Small Market Livestock Project, you must personally contact at least three 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 Market Livestock Committee rule. Failure to comply will result in not being able to sell your animal in the 4-H Market Livestock Sale.

SMALL MARKET POTENTIAL BUYER'S LIST
FEEDER CALF PROJECT (AGES 8 & up)

Name _____ Club _____

Please print business names and complete addresses clearly.

1. Contact Name _____

Business Name _____

Mailing Address _____ City _____ Zip _____

Phone _____ After Hours Phone _____

Mailing Preference (Please Check One): Email _____ Postal Delivery _____

Email _____

Signature _____

2. Contact Name _____

Business Name _____

Mailing Address _____ City _____ Zip _____

Phone _____ After Hours Phone _____

Mailing Preference (Please Check One): Email _____ Postal Delivery _____

Email _____

Signature _____

3. Contact Name _____

Business Name _____

Mailing Address _____ City _____ Zip _____

Phone _____ After Hours Phone _____

Mailing Preference (Please Check One): Email _____ Postal Delivery _____

Email _____

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.)

