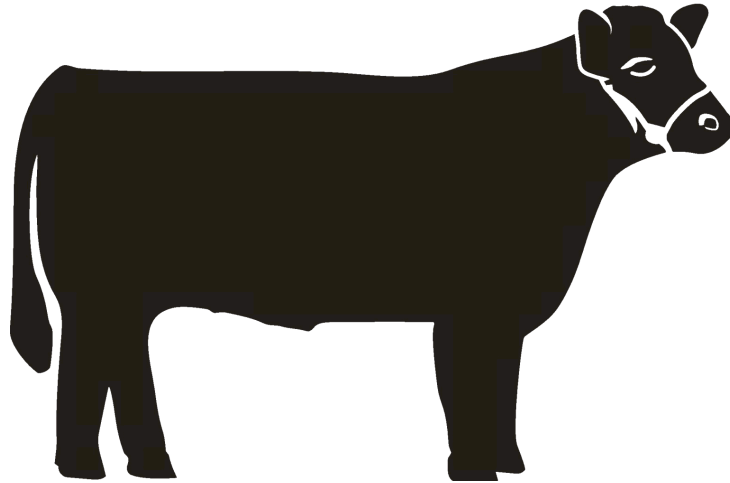


Antrim County 4-H Market/Dairy Steer Workbook



Name: _____ Age as of Jan 1st: _____

4-H Group: _____ Years in Project: _____

Project Leader: _____

I hereby certify that as the exhibitor of this project, I have personally been responsible for the care of this animal, record keeping, and have completed this project book.

Youth Signature: _____ Date: _____

I, the parent/guardian, certify that my son/daughter has completed this project and completed this record book and will comply with all rules and regulations. I give permission for this book to be on display to the public and will ensure all content is appropriate.

Parent/Guardian Signature: _____ Date: _____

Does Youth have IEP? Yes _____ No _____

**** Records start with possession of your animal and end with Fair Week Estimates.****

Check with your local 4-H Staff to determine when/where your project book needs to be submitted.

Name of Animal: _____

Breed: _____ Color: _____

Identification of Animal (ear tag # / fair ear tag # / club ear tag #): _____

Estimated Date of Birth: _____

How did you acquire your animal? (check one)

I purchased my animal, purchased from _____

My project was bred and owned (from an animal on my family farm)

Other (please explain): _____

I took possession of my animal on: _____

Purchase Price of Animal: \$ _____

Starting weight: _____ Final weight: _____ = _____ Total lbs of Gain
(Purchase Date) (Final Weight minus Starting Weight)

Date of final weigh-in (Tuesday of Fair): _____

Sponsor: _____

Dollar amount received from Sponsor: \$ _____ Attach a Copy of Youth Livestock Contract

Number of days on feed (possession date to fair weigh-in): _____

Average Daily Gain (total pounds of gain divided by number of days on feed): _____

Total Feed Costs: _____ ÷ Total Pounds of Gain _____ : = _____ (Feed Cost per lb. of Gain)

Total Pounds of Feed Fed: _____ ÷ Total Pounds of Gain _____ : = _____ (Lbs. of Feed Fed per lb. of Gain)

Other Costs for Project: (hoof trimming, grooming supplies, vet bills, etc.) \$ _____

Total Cost of Project (purchase price of animal + feed cost + other costs): \$ _____

You can insert your actual fair book page in place of this page.

This Year's project goals: (explain the goals that you have for yourself and your project animal):

What were two things you learned from completing this project this year:

- 1. _____

- 2. _____

Please list three potential buyers you plan to approach this year:

- 1. _____
- 2. _____
- 3. _____

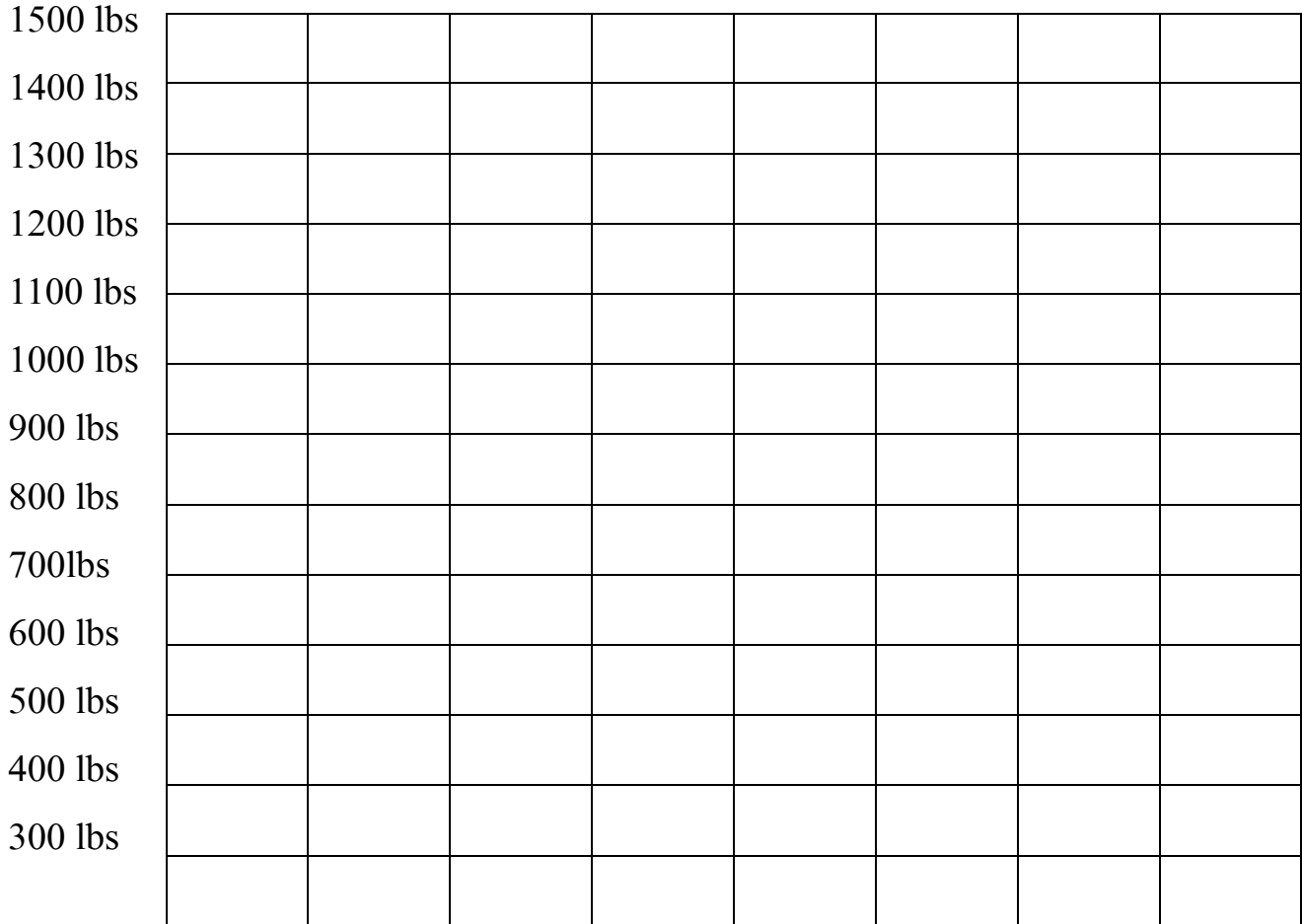
Beginning Project Photo:

You can insert your actual fair book page in place of this page.

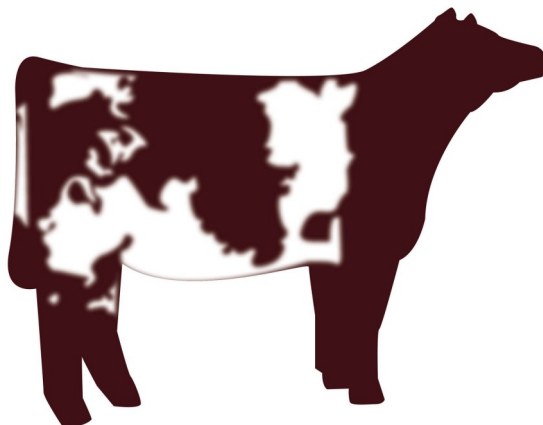
Growth Chart

*Mark the starting weight and final weight with **red** dots on the chart. Connect the two dots with a straight **red** line.

*Record your animal's weight every month (actual or estimated) and connect these points with a blue or black line.



Jan Feb Mar Apr May June July Aug



Steer Weight Records

| Date of Starting Weight | Starting Weight | Date of Finish Weight | Finished Weight | Pounds of Gain | Days on Feed | Average Daily Gain |
|-------------------------|-----------------|-----------------------|-----------------|----------------|--------------|--------------------|
| | | | | | | |

Average Daily Gain = Total pounds of gain ÷ days on feed

Ending Market Steer Picture:

Monthly Feed Record Worksheet (Add additional pages if needed)

| Feed Types* ⇒ | lbs. | | cost | | lbs. | | cost | | Monthly lbs. | Total Cost |
|---------------|------|--|------|--|------|--|------|--|--------------|------------|
| | | | | | | | | | | |
| SEPT | | | | | | | | | | \$ |
| OCT | | | | | | | | | | \$ |
| NOV | | | | | | | | | | \$ |
| DEC | | | | | | | | | | \$ |
| JAN | | | | | | | | | | \$ |
| FEB | | | | | | | | | | \$ |
| MARCH | | | | | | | | | | \$ |
| APRIL | | | | | | | | | | \$ |
| MAY | | | | | | | | | | \$ |
| JUNE | | | | | | | | | | \$ |
| JULY | | | | | | | | | | \$ |
| AUG | | | | | | | | | | \$ |
| TOTALS | | | | | | | | | | \$ |

NOTE: RECORD FEED AS IT IS FED TO YOUR ANIMAL.

*Type of feed should be expressed in pounds and include grains, supplements, mixes,

- The estimated value of homegrown feed needs to be included.

TOTAL FEED COST

Expenses Other Than Feed

| | Vet Cost | Bedding | Medications/ Dewormer | Tack/Show Supplies | Buyer Recog- nition | Other |
|----------|----------|---------|--------------------------|-----------------------|------------------------|-------|
| November | | | | | | |
| December | | | | | | |
| January | | | | | | |
| February | | | | | | |
| March | | | | | | |
| April | | | | | | |
| May | | | | | | |
| June | | | | | | |
| July | | | | | | |
| August | | | | | | |
| Total | | | | | | |

Other Expenses: _____

Total Expenses other than Feed: _____

Income For Project

| Auction Date | Steer final Weight | Price Per Pound (Auction Price) | Total Value (Steer weight x Price per Pound) |
|--------------|--------------------|------------------------------------|---|
| | | | |

Project Knowledge:

1. What is the normal body temperature for cattle? _____

2. Name the top three USDA grades of beef: (highest to lowest)

1) _____ 2) _____ 3) _____

What is an RFID tag? _____

3. What is withdrawal time? _____

And why is that important? _____

Match the following definitions to the correct Answer:

1. Pneumonia _____

a.) Salt, calcium, phosphorus, magnesium, potassium

2. Ring Worm _____

b.) Most important nutrient to humans and animals

3. Steer _____

c.) Abnormal condition in ruminants due to accumulation
Of gases in the rumen

4. Dam _____

d.) Time period from when a calf is conceived until the
Calf is born (usually 283 days)

5. Water _____

e.) Copper, iodine, iron, manganese, selenium, zinc

6. Rumen _____

f.) Presents with coughing, difficulty breathing, fever,
Runny nose and eyes

7. Macro Minerals _____

g.) Mother of an animal

8. Trace Minerals _____

h.) A highly contagious fungal infection that appears
scaly, itchy, and causes hair loss.

9. Bloat _____

i.) castrated male calf

10. Gestation Period _____

j.) Largest compartment of a cow's stomach that has
Several sacs and serves as a fermentation vat.

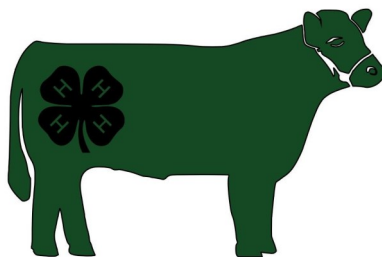
Additional Project Book

REQUIREMENTS

Juniors (11-14): Pick one item from the list below and complete.

Seniors (15-19): Pick two items from the list below and complete.

- *Create a pedigree or lineage chart for your project animal.
- *Create a chore chart of daily, weekly, and monthly chores necessary to properly care for your animal.
- *Create a crossword puzzle with terms/definitions that relate to your steer project.
- *Create a picture and label the parts of your or a steer. (Not something already completed online).
- *Make a retail meat cut diagram and include where the cuts come from on the steer. What is the most expensive cut right now on the market?
- *Go to the store and write down the current retail cost per pound on at least 15 different beef products. Type up your findings in an organized manner. (Different steaks, roasts, burger, soup bones, etc.)
- * Research and provide a summary of by products that could come from your beef project.
- * Research and write an essay on a common disease the beef industry is facing today including prevention, treatment, symptoms, diagnosis, best practices, etc.
- *Write an essay about at least 5 different breeds or cross breeds leading the beef industry in the US today. Include heritage, physical characteristics, nick names, merits, etc.
- * Tell us about your ideal Market Steer. Be descriptive and include what physical traits your ideal steer has that your current steer does not.
- *Another project of your own creation that illustrated your knowledge of your project. Check with your 4-H leader or 4-H Coordinator if you need assistance.



4-H Beef Market/Dairy Steer Project Book Score Sheet

| Page | Name: Intermediate [] Senior [] | Possible Points | Your Points |
|------|---|-----------------|-------------|
| 1 | Cover Page-complete with signatures | 5 | |
| 2 | Fair Book Page (Name/Breed) | 10 | |
| 3 | Project Goals | 10 | |
| 4 | Growth Chart | 10 | |
| 5 | Steer Weight Records | 10 | |
| 6 | Feed Chart | 15 | |
| 7 | Expenses Sheet | 10 | |
| 8 | Project Knowledge | 10 | |
| 9 | Additional Requirements | 20 | |
| | Extra Credit -Extra project from page 9 or another worthy project included with Project Book. If project cannot be in project book, please indicate where judges can find project. Points awarded at judge's discretion. | 20 | |
| | Total Points: | 120 | |

A: 86-100 B: 71-85 C: 55-70

Books should be neat, and the work of the youth participant. Comments from Judge: _____
