



2022-2023

STEER

Record Book

By:

Name: _____

Objectives

The purpose of a market steer program is to achieve the following:

- 1) To acquire an understanding and sound skills of market steer production by preparing for, purchasing, caring for, and keeping records on one or more heads of steer.
- 2) To be able to identify the types and grades of steer and employ efficient methods of marketing.
- 3) To identify the degree of quality, the wholesale and retail cuts of beef products and understand their importance to human nutrition.
- 4) To understand the business aspects and economics of purchasing animals, feed, facilities, and equipment for a steer project.
- 5) To develop integrity, showmanship, sportsmanship, cooperation, and ability to speak in public thru participation in related activities, such as demonstrations, talks, judging events, tours, and exhibitions.
- 6) To develop leadership abilities, build character, and assume citizenship responsibilities.

A very important part of your project is keeping track of what you are doing: how much your steer is gaining, money you are spending, and how much you are earning. This booklet contains records you need for your project. One shows how much your steer is gaining and how fast, another record shows how much money you are spending on feed, and there is one for the money you are earning.

Each record is labeled with the first line filled in as an example. Fill out the rest yourself and keep up with it. If you get behind, you might forget just what should be there, and that defeats the purpose of the records.

Inventory

This record tells you what you start with and what you have at the end of the year. Put down prices you pay, or the estimated value. Your parents can help you with this part. This year's closing inventory will be next year's opening inventory, just as last year's closing inventory will be this year's opening inventory, if you did a steer project last year.

Beginning Inventory

Item Description	Quantity	Value at beginning of project
Steer pen		
Steer feeder-pan		
Rake		
Shovel		
Whip/Show Stick		
Show box		
Brush		
Total		

Ending inventory

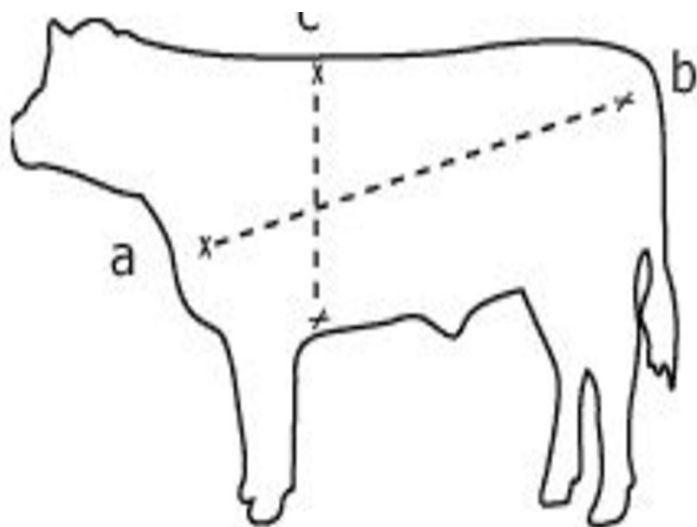
Item Description	Quantity	Value at end of project
Steer pen		
Steer feeder-pan		
Rake		
Shovel		
Whip/Show Stick		
Show box		
Brush		
Total		

Weight Record

Keep a regular record of your steer's weight gain. Weight should be recorded every month or so for steer. It is important to know how much your steer is gaining. If your steer is not gaining enough it may indicate that your steer is sick, has parasites, or is not getting enough food. If you do not have a scale, you can use the formula below to get an estimate of your steer's weight.

How to Calculate Cattle Weight

Cattle Weight



MEASURING beef cattle.

Unless you are a commercial livestock farmer, you probably do not own a livestock scale. Figuring out how to weigh a cow, bull or calf is easy if you can measure the animal body length and girth. Use this guide to determine the weight of your dairy cow or beef cattle:

Measure the circumference of the animal, as shown in "distance C" in the illustration. Make sure to measure girth in relation to the location of the animal's heart.

Measure the length of the animal's body, as shown in distance A-B in the illustration.

Using the measurements from steps 1 and 2, calculate body weight using the formula $\text{HEART GIRTH} \times \text{HEART GIRTH} \times \text{BODY LENGTH} / 300 = \text{ANIMAL WEIGHT IN POUNDS}$. For example, if a beef cow has a heart girth equal to 70 inches and a body length equal to 78 inches, the calculation would be $(70 \times 70 \times 78) / 300 = 1,274\text{lb}$

(Calculate Cattle Weigh Chart Courtesy of Tractor Supply)

Weight Chart

Date	Animal	Weight	Method

Total Weight Gain _____
Days on Feed _____
Average Daily Gain _____

Feed and gain summary

Gain

1) Ending weight	_____ lbs
2) Starting weight	- _____ lbs
3) Total Gain	= _____ lbs

Feed

4) Total pounds of feed	_____ lbs
5) Feed fed per pound of gain (4 divided by 3)	_____
6) Total feed cost	\$ _____
7) Feed cost per pound of gain (6 divided by 3)	\$ _____

Financial Summary

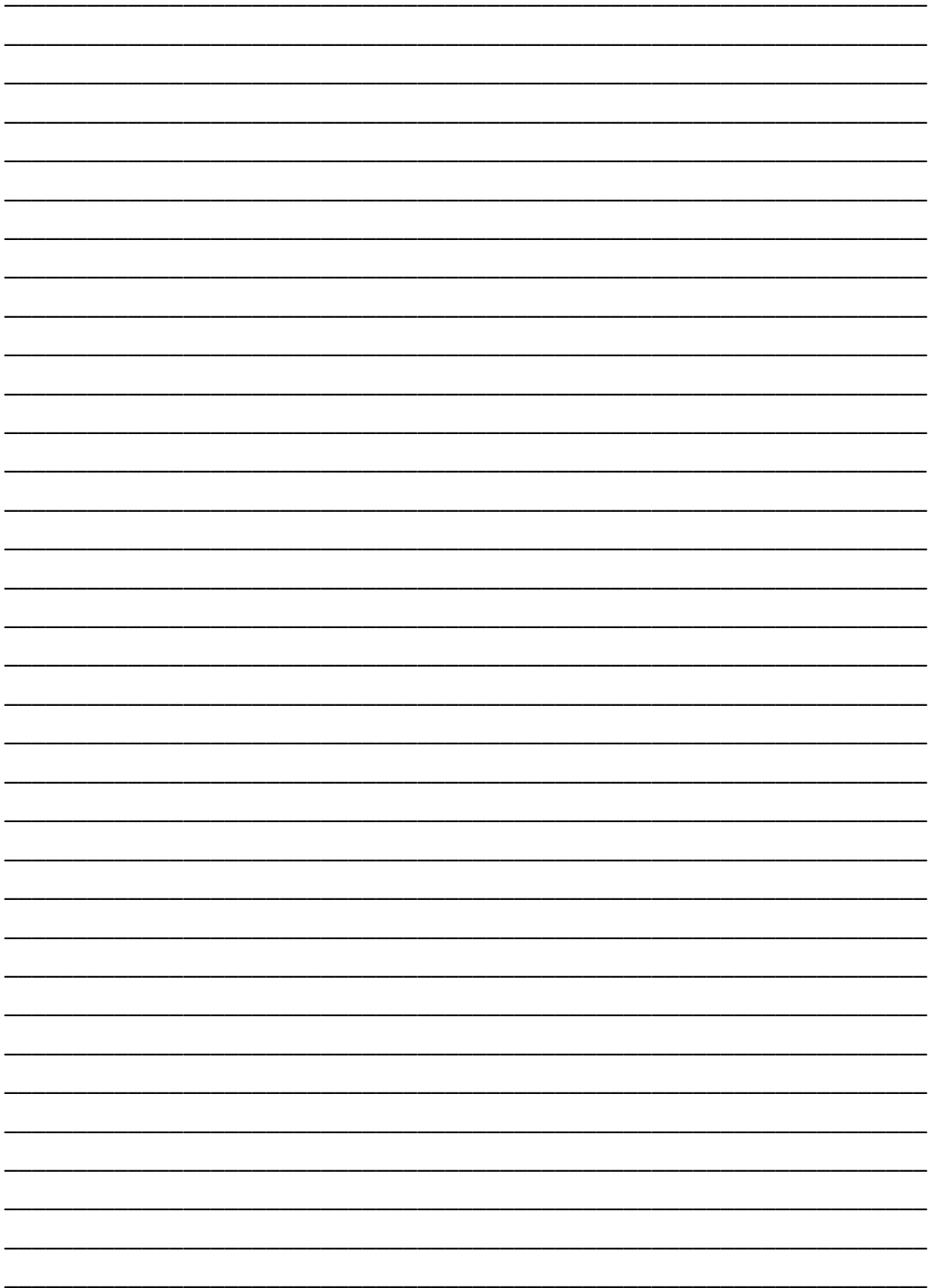
Use this to calculate finances. If the final number is positive, you made a profit for the year. If it is negative, you spent more than you made.

Gross income

1) Closing Inventory	\$ _____
2) Receipts	- \$ _____
3) Total Receipts	\$ _____

Expenses

4) Opening Inventory	\$ _____
5) Expenses	+ \$ _____
6) Total Expenses	= \$ _____
7) Profit or Loss (Line 6 – Line 3)	\$ _____



PICTURE PAGE

