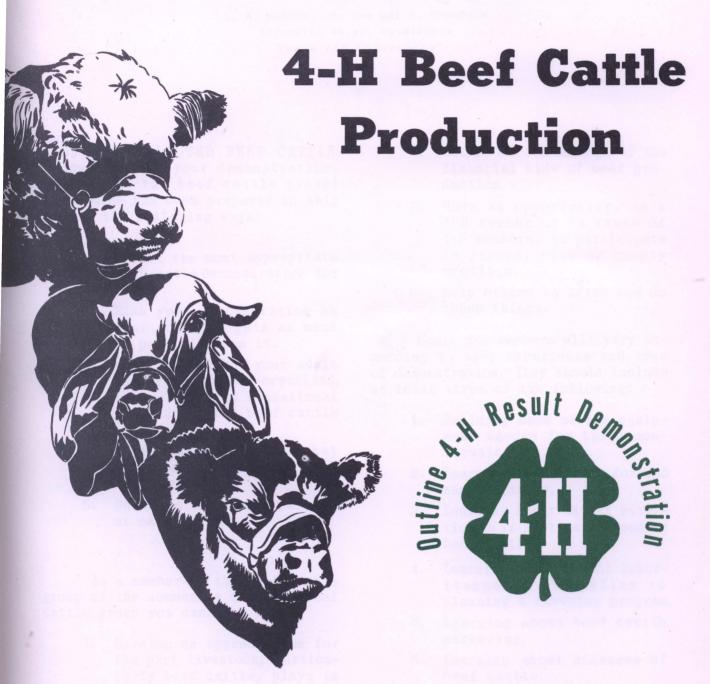
# Member Guide



TEXAS A&M UNIVERSITY
TEXAS AGRICULTURAL EXTENSION SERVICE
J. E. Hutchison, Director, College Station, Texas

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## MEMBER GUIDE- 4-H BEEF CATTLE PRODUCTION

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EXTENSION ANIMAL HUSBANDMEN

Texas A&M University

YOU HAVE SELECTED BEEF CATTLE production for your demonstration. Welcome to the beef cattle group! This guide has been prepared to help you in the following ways:

- Select the most appropriate beef cattle demonstration for you.
- 2. Plan your demonstration so that you will gain as much as possible from it.
- 3. With the help of your adult leader, plan a well-organized, interesting and educational program for the beef cattle group.
- 4. Know when, where and what will be discussed at each meeting.
- 5. Show you what your part is at each meeting.

As a member of the beef cattle group of the community 4-H Club beef cattle group you can:

- Develop an appreciation for the part livestock, particularly beef cattle, plays in our daily lives.
- Learn skills in work with beef cattle.
- 3. Develop some of the skills required in the production and marketing of beef cattle.

- 4. Obtain more knowledge of the financial side of beef production.
- 5. Have an opportunity, as a 4-H member or as teams of 4-H members, to participate in groups, club or county meetings.
- 6. Help others to learn and do these things.

Goals for members will vary according to age, experience and type of demonstration. They should include at least three of the following:

- 1. Building some of the equipment needed for the demonstration.
- 2. Learning how to care for and handle cattle.
- 3. Learning about animal nutrition as it applies to feeding beef cattle.
- Learning about animal inheritance as it applies to planning a breeding program.
- 5. Learning about beef cattle marketing.
- 6. Learning about diseases of beef cattle.
  - 7. Learning about parasites that affect beef cattle.
- 8. Learning how to select different weights and grades of cattle for different types of production.

## **SELECTING DEMONSTRATIONS**

Result demonstrations in beef cattle production can be classified into Feeding and Showing Beef Cattle, Fattening Cattle for Market, Growing and Developing Stocker Cattle and Calf Production. You and your family, along with your adult leader, should study the different demonstrations and select the one best suited, considering your interest, the availability of cattle, feed and equipment, the money involved, the duration of the demonstration and the amount of time required by the demonstration.

## KINDS OF DEMONSTRATIONS

#### 1. FEEDING AND SHOWING BEEF CATTLE

This demonstration emphasizes feeding and showing cattle and may be expensive. The Club member can develop skills in working with beef cattle with emphasis on feeding, training and preparing the animal for the show, as well as actually showing the animal. One or more calves may be started on feed with or without the use of nurse cows. This demonstration should be concluded with an exhibit and sale at a fat stock show. Records should be kept of purchase price, feed costs, prize money won and selling price.

This result demonstration may include any of the following:

- a. Feeding and showing milk-fed steers.
- b. Feeding and showing drylot steers.
- c. Feeding and showing breeding cattle.

#### 2. FATTENING CATTLE FOR MARKET

This demonstration is designed to teach the Club member how to fatten cattle, study the cost of production and about marketing fat cattle. One calf is a minimum but five or more calves may be fed by experienced members. Helping with the work and keeping records on 10 head or more owned by the parents will make a good demonstration. You should learn how to select feeder cattle, how to balance rations, how to substitute cheaper feed to make more economical gain and how fat cattle are marketed. This demonstration could be concluded with a trip to a central market and then to a packing house.

This result demonstration may include any of the following:

- a. Long feeding periods (140 to 180 days).
- b. Medium-length feeding periods (100 to 140 days).
- c. Short feeding periods (less than 100 days).

#### 3. GROWING AND DEVELOPING YOUNG CATTLE

This demonstration is designed to cover the calf's life from weaning until the calf is marketed as grass fat slaughter cattle, placed in a feedlot for fattening or turned out with the breeding herd. Weaned calves usually are placed on native pasture, temporary pasture, small grain pastures or cleaning up fields to make cheap gains. Calves handled in this manner usually are marketed as feeder cattle. However, with excellent pasture and/or supplemental feeding, they may be sold as slaughter cattle or fleshy feeders. Young breeding cattle may be developed in feedlots and fed a growing ration of one-third concentrates and twothirds roughage. Two or more calves owned by a member make a good demonstration. Keeping records on 10 or more calves owned by your parents also makes a good demonstration. The member should develop a good understanding of the type and breeding necessary to make good stocker calves, how they should be fed and managed and how to market feeder cattle.

This demonstration may include any of the following:

- a. Buying light-weight calves and selling as feeders 1 year later.
- b. Buying heavy calves or light yearlings and selling as feeders 6 to 8 months later.
- c. Buying calves or yearlings, providing excellent pasture and/or supplemental feed and marketing slaughter cattle or fleshy feeders.
- d. Developing young breeding cattle in registered herds or replacement cattle for commercial herds.

#### 4. CALF PRODUCTION

This demonstration will help you to understand problems in a cow and calf operation and emphasizes the many points that may increase or decrease profits. Two or more cows owned by a member make a good demonstration. Another good demonstration is assisting with the work and keeping records on 10 or more cows owned by your parents. Production records as outlined in B-908, Breeding Programs for Commercial Beef Herds, or B-909, Breeding Programs for Registered Beef Herds, should be kept. With this demonstration you learn about methods of increasing your calf crop, breeding programs, diseases of cattle, supplemental feeding and marketing.

This result demonstration may include any of the following:

- a. Production of stocker calves.
- b. Production of feeder calves.
- c. Production of slaughter calves.
- d. Production of registered calves.

## PLANNING THE DEMONSTRATION

You and your parents should develop a plan to carry out your demonstration. Fill in this outline according to the plan that is developed.

Kind of demonstration
Date demonstration will begin
Kind of cattle to be used
by the demonstration and section and sections and sections and sections and sections and sections and sections are sections.
Where the cattle will be obtained
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What you plan to do with this demonstration
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Total of without the use of feedlet for fattening or term  one. This demonstration about with the breating best wasness  ludge with an exhibit and sale
How and where the feed and/or pasture will be obtained
usually are marketed so feeder o
any of the following: Supplemental feeding, they may b
. Feeding and showing milk-fed. Young breading battle may be dev
That facilities and/or equipment are needed and how obtained
cattle were calves owned by your parent
TIENING CATTER PRE HARRY Stould develop a good undersi

## **DEMONSTRATION PLANS FOR**

4-H Club Member's Name

This should be a copy of page 6, "Planning the Demonstration." Give your adult leader this sheet when it is completed.

Kind of demonstration
Date demonstration will begin
Kind of cattle to be used
ave for embers to learn who are feeding
SHOWLES
Where the cattle will be obtained
Feeding and management of milk-fed
What you plan to do with this demonstration
Trectag and management of young brewater
cattle
Preparing and training calves to show
How and where the feed and/or pasture will be obtained
Making a day ruce, lead trongs and miner
Display and demonstrate use of equipment deeded at shows
What facilities and/or equipment are needed and how obtained
Selection of cattle fer long feeding
PERLOR
reeding and management on long recolog
Completion date of demonstration —

## THINGS TO DO AND LEARN

From the list of things to do and learn, check the ones of which you have a fair knowledge from past experience and which will help to teach others. Next check the ones that you would like to learn. You may check things that apply to demonstrations other than the one you are conducting. Then working with your adult leader, check the ones that you wish to do and learn this year.

	Isnagement and feeding of cove for production of slaughter calves	Fair knowledge	Wish to learn	Planned this year
mı:	Selection of registered cows for the			
	ngs for members to learn who are feeding showing			
1.	Selection of calves for feeding on nurse cows	otica to in		
2.	Feeding and management of milk-fed calves	allian jai	SAIAA GJ S	10
3.	Selection of calves for drylot feeding		ior gambers	
4.	Feeding and management of drylot steers	idglew-Jdgil		-
5.	Selection of registered calves for feeding	g		
6.	Feeding and management of young breeding cattle		g stockers	aif
7.	Preparing and training calves to show	supplement	agement and cker Trivia	
8.	Making a calf pen, brush arbor and sand box	calves or you		
9.	Making a hay rack, feed trough and mineral box		90 <u>112 e E</u>	183
10.	Display and demonstrate use of equipment needed at shows			dell <u>B</u>
11.		Cartle	garbaaid i	nen
	ngs for members to learn who are fattening tle for market.		e to marke	7. Vay
1.	Selection of cattle for long feeding period	s to lears		Things beef ca
2.	Feeding and management on long feeding period	cows for pr		

Fair

Wish

to learn

knowledge

Planned |

this year

Planned.

Wish

Fair

## CLUB MEETINGS AND PROGRAM SCHEDULE

Meetings for the beef cattle group of the \_\_\_\_\_\_ 4-H Club for the year \_\_\_\_\_

Date	Time and place	What I am expected to do
1st Meeting		Be present with my parents if possible
2nd Meeting		Have demonstration selected, plans for demonstration filled out
		and enrollment card signed
9 3		
8 8		
		图 2 2 2 2 3 5 5 6 5 19 19 19 19 19 19 19 19 19 19 19 19 19
	7 7 7 7	
	8 5 8 5	

## EXPENSES AND INCOME

	ITEMS		Amount		Price			Income	
ite			no. lb.		er nit	Expe	enses	Inc	ome
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								XXX	XX
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				100201	1				
							1		

## EXPENSES AND INCOME (Continued)

ate	ITEMS		lb.	Price per unit	Expenses	Income	
	Brought forward	no.	XXXX		\$ ¢	\$ ¢	
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0.00							
				1 10			
		-					
	Rent on land, buildings and equipment not owned					XXXXX	
	Interest on borrowed money			@ 9	70	XXXXX	
	Animals, equipment, feed and products on hand at close						
	at close				XXXXX		
					XXXXX		
					XXXXX		
					XXXXX		
					XXXXX		
					XXXXX		
-					XXXXX		
	Total expen	ises an	d income	9			
	Labor incor	ne	(Inc	come minu	s expenses)		

#### CALENDAR OF ACTIVITIES

List the months in consecutive order, beginning with the modern List the things you do and observe in connection with your debreeding dates, range and weather conditions, show competitions.	onth your demonstration is started. emonstration such as rations fed, tion and other important activities.
(Month)	
S. Total starting weight	(rltacK)
4. Lotal pounds of gain (substract Item 3 from item 2)	
5. Average points gain per animal (item 4 : Item 1)	
(Month)	(Month)
Pounds of feed per 100 ft. salts (item 8 - Item 4 × 100	
(Month)	
At the cost per 100 to gum (Item 10 + Item 4 × 100)	(figal))
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TOWNS .	
(Month)	
2. No. offenting born	
3. No. offspring weared	
(Month)	
A verse weight at woming	(dinold)
+6. Total pounds west or mohair	
27. Average pounds word or mohale per animal	
*B. Pasture rent	
(Month)	
*BU Fotal reed and pasture cost (add Item 8 and Item 8)	
The Feed and pasture cost per animal (Item 10 > Item 3)	
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(Month)	to south water demonstrate	altin materials	uni ulani Crisa	1	
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				XXXXX	

#### FEEDING DEMONSTRATION SUMMARY

Items 1 through 7 should be filled out by all club members. For others, see footnote.

	ITEMS	RESULTS
1.	No. animals fed	
2.	Total final weight	
3.	Total starting weight	
4.	Total pounds of gain (substract Item 3 from Item 2)	
5.	Average pounds gain per animal (Item 4 ÷ Item 1)	
6.	No. days on feed	
7.	Average gain per day per animal (Item 5 ÷ Item 6)	
*8.	Total pounds of feed fed	
*9.	Pounds of feed per 100 lb. gain (Item 8 $\div$ Item 4 $ imes$ 100)	
*10.	Total cost of feed (include pasture)	
*11.	Feed cost per 100 lb. gain (Item 10 $\div$ Item 4 $ imes$ 100)	

#### BREEDING DEMONSTRATION SUMMARY

Items 1 through 7 should be filled out by all club members. For others, see footnote.

	ITEMS	RESULTS
1.	No. breeding females	
2.	No. offspring born	
3.	No. offspring weaned	
4.	Average age at weaning	
5.	Average weight at weaning	
6.	Total pounds wool or mohair	
7.	Average pounds wool or mohair per animal	
*8.	Pasture rent	
*9.	Feed cost	I sisba ssol
*10.	Total feed and pasture cost (add Item 8 and Item 9)	PAUSALEYS DEST
*11.	Feed and pasture cost per animal (Item 10 ÷ Item 3)	

<sup>\*</sup>These items should be filled out by club members who desire to understand better the reasons for making profit or loss and to determine how their results compare with the best producers of this area.

#### SUMMARY OF EXPERIENCES AND OBSERVATIONS

Write a simple, accurate report of your demonstration. Include activities from date of beginning to completion of demonstration that contributed to your success. Tell about sale of improved livestock, visits made to your demonstration by neighbors and effects your demonstration had on other club members and the community.

## **AWARDS PROGRAM**

Your adult leader or county extension agent has information on awards programs available in beef cattle production. Ask them for details if you are interested.

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