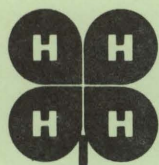


LD  
5655  
A761  
R38  
no. 88  
1975  
C. 2

VIRGINIA POLYTECHNIC INSTITUTE  
AND STATE UNIVERSITY LIBRARIES



# COW-CALF RECORD



Extension Division • Virginia Polytechnic Institute and State University • Reprint July 1975

Name \_\_\_\_\_ Age \_\_\_\_\_ Club Year \_\_\_\_\_

Address \_\_\_\_\_ County \_\_\_\_\_

Name of Club \_\_\_\_\_ Years in 4-H \_\_\_\_\_

Name of Leader \_\_\_\_\_ Record Book 88



## WHO USES THIS PROJECT

This record book is to be used by all 4-H members enrolled in the Cow-Calf Project. Each member taking this project should have a copy of the 4-H Beef Breeding Guide. If you do not have a copy, contact your leader or Extension Agent.

## COMPLETING THE RECORD

This record is divided into Parts I, II, and III. Members enrolled in the Cow-Calf Project for the first year must complete Part I. In addition, they must also complete the 4-H Activities Record on the last page of this record book.

Second year members are to complete Parts I and II, plus the 4-H Activities Record. Members enrolled for 3 or more years are to complete the entire record book.

The Virginia Cooperative Extension Service by law and purpose is dedicated to serve all people on an equal and nondiscriminatory basis.

An Equal Opportunity/Affirmative Action Employer

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. W. E. Skelton Dean, Extension Division, Cooperative Extension Service, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061.

MY BEEF HERD

Use this page for photographs of your project animals. Below each photograph indicate the date it was taken.



Project Record

If you have records available, complete this page when you begin this project. This is not a record of calves produced since you started this project.

A. Individual Preweaning Performance Records of Sires and Dams\*

TATTOO	OTHER NO.	SEX	BIRTH DATE			DAYS OF AGE	ACTUAL WEIGHT	AVERAGE DAILY GAIN	ADJUSTED DAILY GAIN	ADJ. 205 DAY WT.	WEIGHT RATIO	GRADE
			MO	DA	YR							

Average of all dams \_\_\_\_\_ No. cows \_\_\_\_\_

\*If you do not have enough space for all cows, randomly select those you record. However, record average values for all cows you have.

B. Records of Progeny from Sires and Dams you will use.

	TATTOO	OTHER NO.	No. Calves	AVERAGE DAILY GAIN	ADJUSTED DAILY GAIN	ADJ. 205 DAY WT.	WEIGHT RATIO	GRADE
Sires:								
Dams: Your herd Avg. for the past 3 years			19					
			19					
			19					



C. Calf Performance Record At Weaning

DAM		CALF WEANING PERFORMANCE														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Herd No.	Year Born	Tattoo Number	Tattoo Number	Other No.	S E X	B R D	Birth Date	Birth Weight	M C	Weight Date	Days of Age	Actual Weight	205 Day* Adj. Weight	205 Day** Adj. Weight	Weight Ratio	Conf. Score

Each 4-H Member Should Figure Preweaning Performance For Each Calf With A Minimum Of Help From Others.

1. Brand, neck chain, etc.
2. Year dam born.
3. Sire's tattoo.
4. Calf's tattoo.
5. Eartag, etc.
6. Sex (bull-1, heifer-2, steer-3, heifer born twin to bull-4).
7. Breed (Angus-1, Hereford-2, Shorthorn-3, Charolais-7, Xbred-X).
8. Calf's birth date.
9. Birth weight (actual or breed estimate).
10. Management code (dam only-1, dam and creep feed-2, irregulars such as twin, sick, foster mother, etc.-3).
11. Date weighed.
12. Actual at weigh date.
13. Actual weight.
14. Adjusted for age of dam only.
15. Adjusted for age of dam and sex of calf.
16. Ratio of calf's adjusted 205 day weight to average adjusted 205 day weight of calves in same age group.
17. Conformation score (fancy-17, 16, 15; choice-14, 13, 12; good-11, 10, 9; medium-8, 7, 6; common-5; double muscle-4; dwarf-3).



TABLE A. Livestock Owned, Purchased, and Sold

Kind	Animals at Beginning of Project		Animals Purchased During Project		Animals at End of Project		Animals Sold, Kept or Used at Home	
	No.	Value	No.	Value	No.	Value	No.	Value
Totals								

Since we do not always buy breeding livestock at the start of a Project and sell it at the end of the Project, the Project income must be calculated by the increase in value of the Livestock Inventories above.

- 1. Value of animals at end of project \$ \_\_\_\_\_
- 2. Value of animals sold or used at home \$ \_\_\_\_\_
- 3. Total of Line 1 and 2 \$ \_\_\_\_\_
- 4. Value of animals at beginning of project \$ \_\_\_\_\_
- 5. Value of animals purchased \$ \_\_\_\_\_
- 6. Total of Line 4 and 5 \$ \_\_\_\_\_
- 7. Livestock income from project (Sales and increased Value)  
Line 3 minus line 6 \$



TABLE B. Exhibit Record and Prizes

Name of Exhibit	Where Shown	Placing	Premium
			\$
Total			\$

TABLE C. Inventory of Purchased and Owned Equipment and Supplies

Kind of Equipment or Supplies	Value at Start of Project	Equipment Purchased During Project	Value at End of Project
	\$	\$	\$
Totals	\$	\$	\$

All equipment and supplies would not be completely used during the project; therefore, we must use inventories to determine the amount used by the project during the year.

1. Value of equipment and supplies at end of project \$ \_\_\_\_\_
2. Value of equipment and supplies at start of project \$ \_\_\_\_\_
3. Cost of equipment and supplies purchased during project \$ \_\_\_\_\_
4. Total of Line 2 and 3 \$ \_\_\_\_\_
5. Cost of equipment and supplies to project (line 1 minus line 4) \$ \_\_\_\_\_



FEED COSTS

List below the rations you used for your herd. Use these figures to calculate monthly feed costs.

<u>Type Feed Used</u>	<u>lbs./head/day</u>	X	<u>cost/lb.</u>	=	<u>cost/day</u>
#1. Winter Ration for Pregnant Cows					
_____	_____	X	_____	=	_____
_____	_____	X	_____	=	_____
_____	_____	X	_____	=	_____
Total Feed Cost per head per day				=	_____

#2. Winter Rations for Pregnant Heifers					
_____	_____	X	_____	=	_____
_____	_____	X	_____	=	_____
_____	_____	X	_____	=	_____
Total Feed Cost per head per day				=	_____

#3. Ration for Cows Nursing Calves					
_____	_____	X	_____	=	_____
_____	_____	X	_____	=	_____
_____	_____	X	_____	=	_____
Total Feed Cost per head per day				=	_____

#4. Ration for Creep Feeding Calves					
_____	_____	X	_____	=	_____
_____	_____	X	_____	=	_____
_____	_____	X	_____	=	_____
Total Feed Cost per head per day				=	_____

Figure permanent pasture and crop residue costs at 10¢ to 20¢ per cow per day.



TABLE D. Feed Costs

Month	COWS			REPLACEMENT HEIFERS			CREEP FED CALVES		
	No. head X days	Cost per head	Total Cost =	No. head X days	Cost per head	Total Cost =	No. head X days	Cost per head	Total Cost =
TOTALS									



Table E. Miscellaneous Expenses

Miscellaneous Expenses*	
Item	Cost

\*Include items such as breeding fees, veterinary expenses, hauling and marketing fees. Do not include cost of equipment in this table. Include a charge of \$5 per head for breeding fee from natural service whether you actually paid for the service or not.

Table F. Summary of Interest Charges

Was interest actually paid on project (check)	Instructions	Amount
Yes _____	If yes, enter the amount actually paid.	\$ _____
No _____	If no, add line 3 and line 6 of Table A and divide by 2. _____ + _____ = _____. Divide this total by 2, will give average value during project _____/2 = _____ Avg. value. _____ Avg. value times _____ % interest rate = interest	\$ _____



FINANCIAL SUMMARY

- |  |          |          |
|--|----------|----------|
| 1. Livestock income from project (line 7, Table A) | \$ _____ |          |
| 2. Value of prizes and awards (Table B)            | \$ _____ |          |
| 3. TOTAL RECEIPTS (Add line 1 and line 2)          |          | \$ _____ |
| 4. Equipment and supplies cost (line 5, Table C)   | \$ _____ |          |
| 5. Feed Cost (Table D)                             | \$ _____ |          |
| 6. Miscellaneous expenses (Table E)                | \$ _____ |          |
| 7. Interest charge (Table F)                       | \$ _____ |          |
| 8. TOTAL EXPENSES (add lines 4,5,6, and 7)         |          | \$ _____ |
| 9. INCOME OVER EXPENSES (line 3 minus line 8)      |          | \$ _____ |

SUMMARY OF HERD MANAGEMENT

1. My cows calved during a \_\_\_\_\_ period beginning \_\_\_\_\_ and ending \_\_\_\_\_.
2. I had \_\_\_\_\_ (no. of calves) from \_\_\_\_\_ (no. of cows) or a calving percent of \_\_\_\_\_. My cows weaned \_\_\_\_\_ calves for a percent calf crop of \_\_\_\_\_.
3. My calves were castrated when \_\_\_\_\_ old using the following method:  
\_\_\_\_\_.
4. I dehorned them when \_\_\_\_\_ old, using the following method: \_\_\_\_\_  
\_\_\_\_\_.
5. I treated calves for internal parasites when \_\_\_\_\_ old, using the following compound: \_\_\_\_\_.
6. Cows and calves were treated for external parasites using the following methods and compound: \_\_\_\_\_  
\_\_\_\_\_.
7. I used the \_\_\_\_\_ method (s) to identify cows and the \_\_\_\_\_ method (s) to identify calves. I like or dislike the method (s) I used for identifying my cattle for the following reasons: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.



8. The monthly records I kept showed that feed costs were highest during the month of \_\_\_\_\_ and lowest during the month of \_\_\_\_\_.
9. List the things you did with the project without help from anyone else.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
10. List things in which you helped do.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
11. List those things that you kept a record of, but someone else did all the actual work. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
12. Based on recommended practices, explain what portions of your beef herd breeding, feeding, and management needs the most attention and improvement next year.

PART II

(NOT TO BE COMPLETED BY FIRST YEAR MEMBERS)

1. Explain below the practices you used and results you obtained (A.D.G., profits, etc.) this year that were improvements over what you did last year.
  
  
  
  
  
  
  
  
  
  
2. What further improvements do you need to make next year in your beef herd breeding, feeding, and management.



3. Forage Testing

You are required to obtain one or more forage samples to be analyzed at the Virginia Forage Testing Laboratory. Consult your county Extension Agent before taking samples. Report the results of forage analysis below.

Sample No.	Type Forage	As Fed				Dry Basis			
		DM %	TDN %	CP %	DP %	Quality Rating	CP %	CF %	TDN %

If possible, get your county Extension Agent to help you calculate a balanced ration. Use the space below to show your complete ration and the amount of TDN, protein, etc.



PART III

(NOT TO BE COMPLETED BY FIRST OR SECOND YEAR MEMBERS)

1. Describe the improvements you made in breeding, feeding, and management practices since the first year you started.

2. (a) Summarize in the table below the performance records of your herd. Include only those years in which you were taking this project.

Year	Number Calves	Average Daily Gain	Adjusted Daily Gain	Adj. 205 Day Wt.

- (b) Did the performance of your herd improve? In what way.



(c) If your herd showed little or no improvement in performance since you first began taking this project, what factors do you think prevented an improvement?

3. Which of the following factors do you think contributed most to the amount of profit or loss you realized: breeding, feeding, general management, market price? Explain.



# 4-H Activities Record

## I. Club Responsibilities

Number of meetings your club held this year. \_\_\_\_\_

Number you attended. \_\_\_\_\_

Offices held in 4-H club work this year.  
\_\_\_\_\_  
\_\_\_\_\_

Committees you served on. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Did you serve as a 4-H member leader?  
yes \_\_\_\_\_ no \_\_\_\_\_

## II. Project Activities

Projects you completed this year.  
\_\_\_\_\_  
\_\_\_\_\_

Give location for each activity below (Local, L; County, C; District, D; State, S; Regional, R; National, N).

Talks. Give title. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Demonstrations. Give title.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Exhibits. Give name of project.  
\_\_\_\_\_  
\_\_\_\_\_

Judging Contests. Give type.  
\_\_\_\_\_  
\_\_\_\_\_

Showmanship Contests. Give type.  
\_\_\_\_\_  
\_\_\_\_\_

Public Speaking Contests. Give title.  
\_\_\_\_\_  
\_\_\_\_\_

## III. Other Activities

Place a check (✓) beside the following activities and events in which you participated.

- ( ) Project tour
- ( ) Project workshop
- ( ) Judging school
- ( ) Fitting and Showing school
- ( ) Officer training
- ( ) Leadership training
- ( ) Community service project
- ( ) 4-H Church Sunday
- ( ) National 4-H Club Week
- ( ) County Camp
- ( ) Conservation Camp
- ( ) TV Camp
- ( ) Electric Congress
- ( ) State 4-H Congress
- ( ) National 4-H Congress
- ( ) 4-H Citizenship Short Course
- ( ) 4-H Citizenship Conference
- ( ) Achievement Day
- ( ) Health check-up by doctor
- ( ) Dental check-up by dentist
- ( ) News articles written, No. \_\_\_\_\_
- ( ) Radio programs, No. \_\_\_\_\_
- ( ) TV programs, No. \_\_\_\_\_
- ( ) Others \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## IV. 4-H Awards and Honors

List those received this year.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date project completed. \_\_\_\_\_