



NORTH DAKOTA 4-H SHEEP or BEEF BREEDING PROJECT RECORD

4-H member information

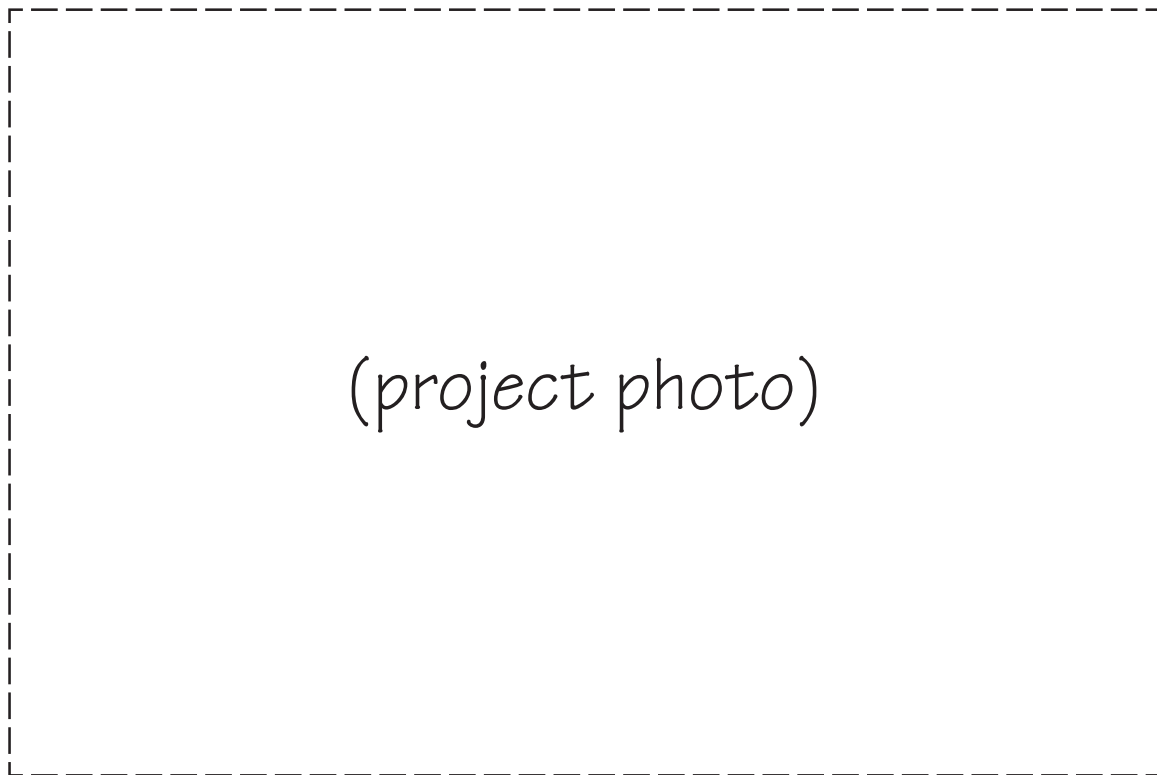
Project _____

Name _____ Club _____

Age _____ Years in the project _____ Years in 4-H _____ Date project started ____/____/____

Parent's name _____

Address _____



Caption _____

Objectives

Suggested objectives to learn in your breeding project:

1. To gain a knowledge and understanding of livestock production and feeding.
2. To make decisions and be responsible for the care and well being of an animal.
3. To learn how to manage time and resources.
4. To share the information and skills learned with others.
5. To learn how to communicate with others.
6. To explore careers which work with animals.

You may not reach all these objectives in one year.
You also may want to develop your own objectives.

My objectives for my breeding project

7. _____
8. _____

Breeding Project Information

(Fill in the following information where applicable)

Number of years in breeding project _____

Number of animals in breeding project _____

Number of: Heifers _____ Cows _____ Calves _____ Bulls _____
 Ewes _____ Lambs _____ Rams _____

Goals of this project _____

How many animals in this project will you be exhibiting at Achievement Days or your county fair? _____

Feeding Period Sheet

1. Date feeding period started _____ ended _____

2. Total days of this feeding period _____

3. Check the type of animal that this feeding period applies to:

- Heifers
 Cows
 Calf
 Bull
 Ewes
 Lambs
 Rams

4. Animal weight at the beginning of feeding period _____
 (use average weight if more than one animal)

In this section include all feeds, minerals, vitamins and protein supplements. If you are feeding more than one animal the same ration, use one feed sheet. Do not include animals that are on different rations. Use a separate set of feeding period sheets for those animals.

Feed	(A) lbs. Feed per Day	(B) Cost/lb. of Feed	(C) No. of Days Fed	(D) Total lbs. Fed (A X C)	(E) Total Cost (A X C X B)
Grass Hay	24	2.5¢/lb.	120	2800	72.00
6. TOTALS	_____ (A)	XXXXX	XXXXX	_____ (D)	\$_____ (E)

Explain why this ration was used _____

Explain why any changes in this ration were made _____

(When major changes in ration occur, please document on the next feeding period sheet. You may need extra sheets.)

Feeding Period Sheet

1. Date feeding period started _____ ended _____

2. Total days of this feeding period _____

3. Check the type of animal that this feeding period applies to:

- Heifers
 Cows
 Calf
 Bull
 Ewes
 Lambs
 Rams

4. Animal weight at the beginning of feeding period _____
 (use average weight if more than one animal)

In this section include all feeds, minerals, vitamins and protein supplements. If you are feeding more than one animal the same ration, use one feed sheet. Do not include animals that are on different rations. Use a separate set of feeding period sheets for those animals.

Feed	(A) lbs. Feed per Day	(B) Cost/lb. of Feed	(C) No. of Days Fed	(D) Total lbs. Fed (A X C)	(E) Total Cost (A X C X B)
Grass Hay	24	2.5¢/lb.	60	1440	36.00
6. TOTALS	_____ (A)	XXXXX	XXXXX	_____ (D)	\$_____ (E)

Explain why this ration was used _____

Explain why any changes in this ration were made _____

(When major changes in ration occur, please document on the next feeding period sheet. You may need extra sheets.)

Feeding Period Sheet

1. Date feeding period started _____ ended _____

2. Total days of this feeding period _____

3. Check the type of animal that this feeding period applies to:

- Heifers
 Cows
 Calf
 Bull
 Ewes
 Lambs
 Rams

4. Animal weight at the beginning of feeding period _____
 (use average weight if more than one animal)

In this section include all feeds, minerals, vitamins and protein supplements. If you are feeding more than one animal the same ration, use one feed sheet. Do not include animals that are on different rations. Use a separate set of feeding period sheets for those animals.

Feed	(A) lbs. Feed per Day	(B) Cost/lb. of Feed	(C) No. of Days Fed	(D) Total lbs. Fed (A X C)	(E) Total Cost (A X C X B)
Corn	5.0	4.5¢/lb.	180	900	40.50
6. TOTALS	_____ (A)	XXXXX	XXXXX	_____ (D)	\$_____ (E)

Explain why this ration was used _____

Explain why any changes in this ration were made _____

(When major changes in ration occur, please document on the next feeding period sheet. You may need extra sheets.)

Grazing Period Sheet for Pasture

1. Date grazing period started _____ ended _____

In this section include grazing only. All mineral, vitamin and protein supplements should be recorded on Feed Period Sheets.

Kind of Animal	(A) Number of Animals	(B) Equiv. (see table)	(C) Animal Units (A X B)	(D) Months Grazed	(E) Total AUMs Grazing (C X D)	(F) Cost/AUM	(G) Grazing Cost/Period (E X F)
Heifer	1	.65	.65	6	3.90	12.50	48.75
2. TOTALS	_____ A	_____ B	_____ C	XXXXX	_____ E	\$_____ F	\$_____ G

Kind of Animal	Animal Unit Conversion Factor
Beef cow 2 years and over	1.0
Calves over 3 months	0.3
Yearling cattle	0.65
Bulls	1.3
Ewes	0.2
Yearling sheep	0.1
Rams	0.25

AUM – Animal Unit Month is the amount of feed or forage required by an animal for one month.

Animal Unit – A mature (1,000 lb.) cow and calf or the equivalent based on an average daily forage consumption of 26 pounds of dry matter per day.

Loan Record

Date	Item Loan was Received For	(A) Amount of Loan	(B) % Interest	(C) Length of Loan	(D) Principle Paid	(E) Interest Paid	(F) Unpaid Balance
1-1-07	Heifer	600.00	.10	4 yrs.	150.00	60.00	450.00
1. TOTALS		XXXX	XXXXX	XXXXX	\$ _____ (D)	\$ _____ (E)	XXXXX

Travel Expense

Animal Identification	Event	(A) Entry Fees	(B) Trans- portation	(C) Lodging	(D) Other	(E) Totals (A+B+C+D)
2324	county fair	—	20.00	—	—	20.00
2. TOTALS		\$ _____ (A)	\$ _____ (B)	\$ _____ (C)	\$ _____ (D)	\$ _____ (E)

Equipment Inventory

Equipment purchases made in previous years

Date	Item	Estimated Value at Beginning of Project Year (A)	Estimated Value at End of Project Year (B)	Depreciation Value* (C)
6-9-07	show stick	11.00	10.00	1.00
1. TOTALS		\$_____ (A)	\$_____ (B)	\$_____ (C)

Equipment purchases made in current project year

Date	Item	Price Paid
6-1-07	clippers	150.00
2. TOTAL		\$_____ (A)

Animal Inventory

Date	Item	Estimated Value at Beginning of Project Year (A)	Estimated Value at End of Project Year (B)	Change Inventory (C)*
1-3-07	steer calf	250.00	560.00	+310.00
3. TOTALS		\$_____ (A)	\$_____ (B)	\$_____ (C)

* Depreciation value or inventory change value = beginning value (column A) minus ending value (column B)

Expense Summary

Value of animals at beginning of this year's project (use one line per animal in project)

Animal Identification No. (A)	Beginning Weight (B)	Market Price at Time of Purchase (C)	Animal Value (D) (B x C)
2425	600.00	.83/cwt	498.00

1. TOTAL COLUMN D \$ _____
2. Veterinary expenses (from life/time records section);
use current project year expenses only \$ _____
3. Total feed bill (total all feeding period sheets –
line 5E from feeding period sheets) \$ _____
4. Interest (from loan record section, line 1E) \$ _____
5. Travel expense (travel expense section, line 2E) \$ _____
6. Equipment purchases (from equipment inventory section, line 2A);
use current project year purchases only \$ _____
7. Other cash expenses \$ _____

specify _____

specify _____
8. Total cash expenses (add lines 1 + 2 + 3 + 4 + 5 + 6 + 7) \$ _____

Income Summary

Premiums from livestock shows (for current project year, use actual ribbon premiums)

Date	Show/Event	Ribbons and/or Placing	Actual Premiums
1-1-07	state fair	blue ribbon	\$25.00

1. Total from livestock premiums \$ _____

Estimate or actual sale value of project at end of project year

Animal ID	Weight Selling Time (A)	Market Price Selling Time (B)	Sale Value* A x B (C)
3751	650	.86/cwt	559.00

2. Total sale value of project (total of column C) \$ _____

*sale value = selling weight multiplied by selling market price

If animal is sold by the head enter value in sale value, column C

3. Other cash income received from your project \$ _____

Specify _____

Specify _____

Specify _____

4. Total cash income (add lines 1 + 2 + 3 + 4) \$ _____

Business Summary

- 1. Total cash income (from income section, line 4) \$ _____
- 2. Total cash expense (from expense section, line 8) \$ _____
- 3. Net cash income or loss (line 1 minus line 2) \$ _____
- 4. Net cash income or loss (line 3 above) \$ _____
 - a. Value of any feed left on hand for which you have paid \$ _____
 - b. Value of all breeding animals, not sold at close of project year
[from Animal Inventory Section, line 3 (C)] \$ _____
- 5. Net income – profit or loss (line 4 + 4a + 4b) \$ _____

Explain why you have a profit or loss _____

How will you improve this project? _____

Suggested Companion Projects

National 4-H Curriculum

Veterinary Science Series

From Airedales to Zebras, Unit 1

All Systems Go, Unit 2

On the Cutting Edge, Unit 3

Beef Series

Bite Into Beef, Unit 1

Here's the Beef, Unit 2

Leading the Charge, Unit 3

Sheep Series

Lambs, Rams and You, Unit 1

Shear Delights, Unit 2

Leading the Flock, Unit 3

Developed by

Annette Steffan, former county Extension agent

Chuck Steffan, former area beef/range management specialist

Dan Dhuyvetter, former area beef/range management specialist

This publication may be copied for noncommercial, educational purposes in its entirety with no changes. Requests to use any portion of the document (including text, graphics or photos) should be sent to permission@ndsuent.nodak.edu. Include exactly what is requested for use and how it will be used.

For more information on this and other topics, see: www.ag.ndsu.edu