

# 4-H Livestock Project Record

(4-Hers 13 to 19 years of age)

Member Name \_\_\_\_\_ Date Project Started \_\_\_\_\_

- |                                   |                                |                                  |             |
|-----------------------------------|--------------------------------|----------------------------------|-------------|
| <input type="checkbox"/> Breeding | <input type="checkbox"/> Beef  | <input type="checkbox"/> Goat    | Breed _____ |
| <input type="checkbox"/> Market   | <input type="checkbox"/> Sheep | <input type="checkbox"/> Poultry |             |
| <input type="checkbox"/> Dairy    | <input type="checkbox"/> Swine | <input type="checkbox"/> Rabbit  |             |
| (check one)                       | (check one)                    |                                  |             |

Name/Number of Animal	Start Date	\$/lb. (cost ÷ beginning weight)	Beginning weight	Cost or value
<b>Total weight (1) and cost (2)</b>			(1)	\$ (2)

## Record of Expenses

**Feed Record** (include feed grown on family farm)

Date purchased	Type of feed (grain, mix, hay, supplement, pasture, silage)	\$/lb (total cost ÷ pounds)	Pounds	Total cost
<b>Total pounds (3) and feed cost (4)</b>			(3)	(4)

**Other expenses** (veterinarian, bedding, insurance, show supplies etc)

Date	Item or Expense	Cost
<b>Total cost</b>		\$ (5)

**Record of Income**

**Animals sold during year**

Date sold	Description (include tag # or earnotch)	\$/lb (net sale ÷ final weight)	Final weight	Net sale check amount
<b>Total weight (6) and value of animals (7) sold</b>			(6)	\$ (7)

**Animals own at end of year**

Date	Description (include tag # or earnotch)	\$/lb (est. total value ÷ weight)	Weight	Estimated total value
<b>Total weight (8) and value (9) of animals on hand</b>			(8)	\$ (9)

**Other income** (premiums, wool, etc.)

Date	Item	Income
<b>Total other income</b>		\$ (10)

**Summary  
Profit or Loss Statement**

**Total Expenses**

**Total Income**

Value of animals at beginning of project  
(from (2) on pg 1) \_\_\_\_\_

Value of animals sold  
(from (7) on pg 2) \_\_\_\_\_

Feed cost  
(from (4) on pg 1) \_\_\_\_\_

Value of animals on hand at end  
(from (9) on pg 2) \_\_\_\_\_

Other expenses  
Add (2), (4), (5)  
(from (5) on pg 2) \_\_\_\_\_

Other income  
Add (7), (9), (10) \_\_\_\_\_

**Total income (12)** \_\_\_\_\_

**Total Expenses (11)** \_\_\_\_\_

**Total expenses (11)** \_\_\_\_\_

**Profit or Loss (12) - (11)** \_\_\_\_\_

**Gain Records\*\***

Description (include tag # or earnotch)	Col 1 Date of beginning wt./ *birth date	Col 2 Beginning weight	Col 3 Date of ending wt.	Col 4 Final weight	Col 5 Total gain	Col 6 No. of days on feed/ *days of age	Col 7 ADG or WDA
<b>Total of total gain</b>					(13)		

\*Use this formula to calculate average daily gain (ADG):

- a) total gain = final weight minus beginning weight (Col 2 - Col 4 = Col 5)
- b) the number of days on feed = the number of days between the date of beginning weight and the date of ending weight (Use a calendar to count number of days between Col 1 and Col 3, number of days = Col 7)

c)  $ADG = \text{total gain} \div \text{the number of days on feed} \text{ (Col 5 } \div \text{ Col 6 = Col 7)}$

\*Use this formula to calculate weight per day of age (WDA):

Weight per day of age (WDA) should be calculated for animals that do not have beginning weight recorded.

a) days of age – the number of days between the date of birth and the date of ending weight (use a calendar to count number of days between Col 1 and Col 3, number of days = Col 6)

b)  $WDA = \text{final weight} \div \text{the number of days of age} \text{ (Col 4 } \div \text{ Col 6 = Col 7)}$

Use this formula to calculate feed efficiency:  $(3) \div (13) = \text{Feed Efficiency}$  **Feed Efficiency**\_\_\_\_\_

\*\*If you have more than three animals, continue this Gain Records section on another page so you have a line for each animal.

## Project Summary

1. Briefly explain how you financed this project, **and** your evaluation of why you made (or lost) money.

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2. List some of the problem(s) you encountered during the project, if any. Also, what you did to solve the problem(s).

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3. How will you improve your meat animal project for next year?

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