

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 |
|--------------------------------------|------------|----------------------------------|------------------|---------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Total weight (1) and cost (2) | | | (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 |
|---|---|-----------------------------|--------|------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Total pounds (3) and feed cost (4) | | | (3) | (4) |

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

| Date | Item or Expense | Cost |
|-------------------|-----------------|--------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| Total cost | | \$ (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 |
|---|---|---------------------------------|--------------|-----------------------|
| | | | | |
| | | | | |
| Total weight (6) and value of animals (7) sold | | | (6) | \$ (7) |

Animals own at end of year

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

Other income (premiums, wool, etc.)

| Date | Item | Income |
|---------------------------|------|---------|
| | | |
| | | |
| | | |
| Total other income | | \$ (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 |
|---|---|------------------------------|--------------------------------|--------------------------|------------------------|--|---------------------------|
| | | | | | | | |
| | | | | | | | |
| Total of total gain | | | | | (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.

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

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