



# Youth and 4-H Market Animal Project Worksheet Intermediate and Senior Members

Name: \_\_\_\_\_

Project: \_\_\_\_\_ For year: \_\_\_\_\_

**Instructions:** This worksheet should help you keep records of your 4-H market animal project. Use a separate sheet for each kind of project—market beef, market hogs, and/or market lambs.

My project began with the following animals:

Date	Description (include tag # or earnotch)	\$/lb. (cost ÷ beginning weight)	Beginning weight	Cost or value
<b>Total weight [1] and cost [2]</b>			[1]	[2] \$

During the year the following animals died:

Date	ID	Estimated weight	Estimated value	Cause

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### Record of Expenses

My feed record is (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]

My other expenses (veterinarian, bedding, insurance, show supplies and fees, interest, etc.) are:

Date	Item or expense	Cost
<b>Total cost</b>		\$ [5]

### Record of Income

During the year I sold the following animals:

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

Listed below are the animal I still own at the end of the project 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.) I received:

Date	Item	Income
<b>Total other income</b>		[10] \$

## Summary

### Profit or Loss Statement

#### Total Expenses

Value of animals at beginning of my project (From [2] on pg 1) \_\_\_\_\_

Feed cost (From [4] on pg 2) \_\_\_\_\_

Other expenses (Add [2], [4], [5]) (From [5] on pg 2) \_\_\_\_\_

Total expenses [11]

#### Total Income

Value of animals sold (From [7] on pg 3) \_\_\_\_\_

Value of animals on hand at end (From [9] on pg 3) \_\_\_\_\_

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

Total income [12]

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]		

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

\*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 = total gain divided by the number of days on feed (Col 5 ÷ 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 = final weight divided by the number of days of age (Col 4 ÷ Col 6 = Col 7)

Use this formula to calculate feed efficiency: [3] ÷ [13] = Feed Efficiency

**Feed Efficiency**