



Youth and 4-H Market Beef, Sheep, and Swine Record Worksheet (For Junior 4-H'ers)

Name: _____

County: _____

Record Start Date: _____

Record End Date: _____

(Use one record worksheet for each project.)

Project type: _____

Project Animal Information

Number or name of animal	Animal's value at start of project	Status of animal at end of project (sold, died, etc.)
	\$	
Total	\$	[1]

Project Animal Performance Record

Number or name of animal	Date started on feed	Beginning weight	Final weight	Total lbs. of gain	Date of final wt.	Total days fed
Total				[2]	Total	[3]

Project Income

Date	Describe what you sold, used at home, earned from shows, or have left at end of project	Total value
Total		[4] \$

Feed Record Summary

Month	Type of feed (grain mix, hay, pasture, etc.)	Quantity (pounds, etc.)	Total cost
Total		[5]	\$ [6]

Other Expenses

Date	Describe expenses other than feed or project animal purchases (entry fees, veterinary services or supplies, interest, etc.)	Total cost
Total		\$ [7]

Financial Summary

Item	Directions	Your Project Value
Income		
<i>How much value has your project developed?</i>	Enter box [4]	<input style="width: 100px; height: 20px;" type="text"/>
Expenses		
<i>What was the value of the animals you started with or bought?</i>	Enter box [1]	_____
<i>How much did you spend for feed?</i>	Enter box [6]	_____
<i>How much did you spend on other expenses?</i>	Enter box [7]	_____
<i>What are your total expenses?</i>	Add boxes [1], [6], [7]	<input style="width: 100px; height: 20px;" type="text"/>
Profit or Loss		
<i>Was your project profitable for you? (Positive value means profit; negative means loss.)</i>	Subtract total expenses from income	<input style="width: 100px; height: 20px;" type="text"/>

Project Evaluation

Project Trait	Directions	Your Calculations
Average Daily Gain <i>(How rapidly did your project gain weight?)</i>	Divide [2] by [3]	<input style="width: 50px; height: 20px;" type="text"/> ÷ <input style="width: 50px; height: 20px;" type="text"/> = <input style="width: 100px; height: 20px;" type="text"/> <div style="display: flex; justify-content: space-around; width: 100%;"> [2] [3] pounds per day </div>
Feed Efficiency <i>(How much feed did your project need to gain one pound?)</i>	Divide [5] by [2]	<input style="width: 50px; height: 20px;" type="text"/> ÷ <input style="width: 50px; height: 20px;" type="text"/> = <input style="width: 100px; height: 20px;" type="text"/> <div style="display: flex; justify-content: space-around; width: 100%;"> [5] [2] pounds of feed per pound gained </div>
Feed Cost of Gain <i>(How much did feed cost to produce a pound of gain?)</i>	Divide [6] by [2]	<input style="width: 50px; height: 20px;" type="text"/> ÷ <input style="width: 50px; height: 20px;" type="text"/> = <input style="width: 100px; height: 20px;" type="text"/> <div style="display: flex; justify-content: space-around; width: 100%;"> [6] [2] dollars per pound of gain </div>

Prepared by Brad R. Skaar and Dan Morriscal, extension livestock specialists; Chuck Morris, 4-H youth development.

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Additional Project Evaluation Worksheet

Non Feed Cost Divide [7] by [2] $\frac{\boxed{}}{7} \div \frac{\boxed{}}{2} = \boxed{}$
\$ Feed Cost per
Lb Gained

Total Cost of lb Gain Add [6] + [7] \div [2] $\frac{\boxed{}}{6} + \frac{\boxed{}}{7} \div \frac{\boxed{}}{2} = \boxed{}$
\$ Total Cost
Per lb Gained

Break Even Selling Price

Total Cost _____ \div Total Fair Weight _____ = _____

Return Per Dollar Invested

Total Sale _____ - Total Cost _____ \div Total \$ Spent on Project = _____