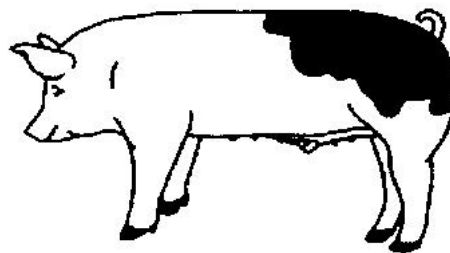




# 4-H Livestock Project Book 20\_\_\_\_



## Market Swine

Name		Age (as of Dec 31st)		Junior or Senior	
Club Name		Club Leader's Name			
Year in 4-H	Year in this project	County Exhibit	State Exhibit	Grade in School	

### Commitment to Stewardship and Welfare

#### I WILL:

1. Provide comfortable housing for my animal(s).
2. Feed my animal(s) on time each day.
3. Provide my animal(s) with clean water at all times.
4. Keep my animal(s) free from parasites.
5. Strive to keep my animal(s) in good health.
6. Be kind to animals and act in their best interest.
7. Complete mandatory quality assurance trainings.
8. Keep an accurate record of my projects.
9. Submit required paperwork and forms on-time
10. Always show good sportsmanship in competition.
11. Participate in 4-H Club activities
12. Complete my project requirements.

**I UNDERSTAND** that the presence of any drug, antibiotic or biological residue in my project animal at slaughter will result in the condemnation of the carcass and forfeiture of all sale proceeds and premiums. I certify that any drug, antibiotic or biological which may have been administered by me, or any other person, was done so in strict compliance with the manufacturer's label requirements.

Member  
Signature

Parent  
Signature

Leader  
Signature

Agent  
Signature



**COOPERATIVE EXTENSION**

UNIVERSITY OF HAWAII AT MĀNOA  
COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES

## PROJECT PLAN

Before you purchase your animal, begin your project by completing a plan. Review your plan with your 4-H project leader.

Learning Goals – List 3 goals detailing what you hope to learn about and what skills do you want to practice while doing this project?

My goal for my project this year is to learn:	What I need to do to reach this goal

### Planning Notes or Questions You Would Like Answered

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### Production Plan and Performance

		Example	Expected	Actual County	Actual State
Starting Date of Project	a.	3/1/24			
Ending Date of Project	b.	6/1/24			
Days on Feed	c.	92			
Starting Weight, lb	d.	50			
Final Weight, lb	e.	240			
Total Weight Gain, lb = Final Wt. - Starting Wt.	f.	190			
Average Daily Gain, lb/da = Total Wt. Gain/Days on Feed	g.	2.070			
<ul style="list-style-type: none"> <li>• <b>Expected</b> Feed Efficiency, lb feed / lb gain (<b>Swine – 3.0</b>)</li> <li>• <b>Actual</b> Feed Efficiency (i / f)</li> </ul>	h.	<b>3.0</b>			
<ul style="list-style-type: none"> <li>• <b>Expected</b> Amount of Feed <b>Needed</b>, lb = (h x f)</li> <li>• <b>Actual</b> Amount of Feed <b>Used</b> - use "Total Feed Purchased" from Page 5</li> </ul>	i.	570			

**Financial Plan** The “Expected” column should be completed at the start date and starting weights were measured. The ending weight and date for these records will be completed at the final weigh in.

Expenses		Expected	Actual
Animal Purchase	a.		
Feed Costs	b.		
Treatment Expenses	c.		
Other Expenses	d.		
Exhibit Expenses	e.		
Total Expenses	f.		
Income		Expected	Actual
Animal Sales Income Needed to Break Even (same as F)	g.		
Final Weight of Animal (found on Page 2)	h.		
Price Needed = Sales Income (G) / Final Weight (H)	i.		

**Project Finances** Describe the financial agreements you have made with financial institutions, your family (parents) and/or other persons regarding this project.

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**Time Spent with Your Project** Raising a 4-H livestock project is a time commitment. In the Expected column, document the hours you estimate you’ll spend on the items below and at the end of the project document your actual hours.

	Expected	Actual
Hours spent providing general care (daily feeding, watering, pen cleaning, etc.)		hours
Hours spent preparing for show (training to lead, washing, clipping, etc.)		hours
Hours spent elsewhere (vaccination, veterinarian visits, quality assurance, etc.)		hours
Total number of hours spent with your project		hours

**Youth Quality Care of Animals (YQCA) Training/Completion Date**

## PROJECT MANAGEMENT RECORD

**Record this information at the time(s) you purchase your animal and start the project.**

Name of Animal		Breed	Color
Birthdate of Animal	Tag / Tattoo Number	Purchase Weight	Purchase Date
Breeder Name & Contact Information			Total Purchase Price

**Did you replace the original animal that you originally started the project with?** If so, describe that experience and put the original animal's information below.

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**Treatments:** List vaccinations, medications (includes medicated feed) and products used for internal and external parasite control. Treatment records must be kept for one year after the last day of treatment, whereas feed medications records must be kept for two years. Attach prescriptions and other medication information to the back of this Project Book.

<i>Date and Time</i>	<i>Product Name</i>	<i>Purchased From</i>	<i>Lot Number</i>	<i>Expiration Date</i>	<i>Condition Being Treated</i>
a.					
b.					
c.					
d.					
e.					

<i>Estimated Animal Weight</i>	<i>Treatment Amount</i>	<i>Treatment Route<sup>1</sup> (Oral, SQ, IM, drench, etc.)</i>	<i>Who gave Treatment?</i>	<i>Withdrawal Time</i>	<i>Rx? (Yes/No)</i>	<i>Total Cost (\$)</i>
a.						
b.						
c.						
d.						
e.						
** Feel free to duplicate chart onto separate sheet, if more space is needed. <span style="float: right;"><b>Totals</b></span>						

<sup>1</sup> Subcutaneous (SQ) means injection under the skin; intramuscular (IM) means injection in the muscle.

**Other Expenses:** List expenses for other items used in the project (fencing, panels, ropes, show sticks, halters, feed troughs, waterers, other supplies, etc.)

<i>Date</i>	<i>Item Description</i>	<i>Quantity</i>	<i>Item Cost (\$)</i>	<i>Total Cost (\$)</i>
** Feel free to duplicate chart onto separate sheet, if more space is needed.				<b>Totals</b>

**Estimated Exhibit Record:** List estimated expenses for other items used in the project (transportation costs, lodging, pen fees, other supplies, etc.)

<i>Date</i>	<i>Item Description</i>	<i>Est. Total Cost (\$)</i>
** Feel free to duplicate chart onto separate sheet, if more space is needed.		<b>Totals</b>

## FEED RECORD

**Feed Purchased and Associated Costs.** Record purchases of feed and supplements (minerals, vitamins, salt, etc.) throughout the project period. Note if feed is complete feed (starter, grower or finisher), concentrate or a supplement.

<i>Date</i>	<i>Name of Feed (if applicable). Place Feed was Purchased From.</i>	<i>Size per bag (lbs)</i>	<i>Amount Purchased (lbs)</i>	<i>Cost per bag (\$)</i>	<i>Total Cost (\$)</i>
<b>Totals</b>					

\*\* Feel free to duplicate chart onto separate sheet, if more space is needed.

Did you have any issues feeding your animal or obtaining feed this year? Please explain. \_\_\_\_\_

## Livestock Project Knowledge and Skills I Gained This Year

Check 6-7 items below that you learned or improved in 4-H during the past year. Some may not apply to your project.

### *I learned or improved my ability to...*

Beginning Skills	Intermediate Skills
<input type="checkbox"/> Identify 6 breeds.	<input type="checkbox"/> Read one or more livestock publications.
<input type="checkbox"/> Identify at least 2 characteristics for 3 breeds.	<input type="checkbox"/> Help a new member learn to correctly identify 15-20 external parts for their project animal(s).
<input type="checkbox"/> Identify 10-15 parts of your project animal.	<input type="checkbox"/> Describe the proper procedure for deworming a project animal.
<input type="checkbox"/> Explain 3 steps you would take to prevent disease in a project animal.	<input type="checkbox"/> Name 5 management practices you use with your project animal.
<input type="checkbox"/> Identify equipment needed to raise a market or animal.	<input type="checkbox"/> Give a demonstration on 9 different breeds, including the origin, breed characteristics and use of each breed.
<input type="checkbox"/> Define the following terms for specie(s) you are raising: ewe/gilt/doe/heifer, ram/boar/billy/bull, wether, yearling, loin, purebred and grade.	<input type="checkbox"/> Using a picture or an actual animal, describe an ideal market animal or breeding animal, using judging terms.
<input type="checkbox"/> Visit a local grocery store, list of 2 different retail cuts of meat and identify the location of these two retail cuts on a live animal.	<input type="checkbox"/> Discuss the various records that a livestock producer should keep and explain why each is useful.
<input type="checkbox"/> Explain 2 types of parasites and name one of each kind that are common to your species.	<input type="checkbox"/> Help a new 4-H member update his/her record book.
<input type="checkbox"/> Identify 5 main categories of nutrients needed for growth and production.	<input type="checkbox"/> Name 9 by-products from the specie(s) you are raising for your project.
<input type="checkbox"/> Name 8 or more feed ingredients commonly fed to your project animal and tell the major use each serves in the ration as a source of protein, vitamins, minerals, fat, carbohydrates and water.	<input type="checkbox"/> Correctly identify 8 different cuts of meat produced by a market animal and explain where the cut of meat comes from.
<input type="checkbox"/> Explain 2 sections of a feed tag and what is included in the section.	<input type="checkbox"/> Name 3 methods of identification used for livestock.
<input type="checkbox"/> Identify the following undesirable characteristics: post-legged, weak pasterns, cow-hocked, overshot or undershot jaw.	<input type="checkbox"/> Explain the meaning of the following terms: carbohydrates, fat, minerals, protein, vitamins, fat soluble and water soluble.
<input type="checkbox"/> Describe 3 methods of giving an injection and the referred sites.	<input type="checkbox"/> Judge a class of 4 market or breeding animals and give oral reasons on your placings.
<input type="checkbox"/> Teach your project animal to drive and demonstrate the proper way move your animal from one place to another.	<input type="checkbox"/> Interview a livestock producer in order to discover the desired characteristics of the ideal market or breeding animal.
<input type="checkbox"/> Compete in a showmanship class.	<input type="checkbox"/> Explain the difference between a monogastric and ruminant animal.
<input type="checkbox"/> Identify 5 things that are essential in keeping your animal healthy and clean at the fair.	<input type="checkbox"/> Explain what a parasite is and name 4 that are common to your project animal.
<input type="checkbox"/> Other (optional):	<input type="checkbox"/> Other (optional):

### Advanced Skills

- |                                                                                                                                                                                                        |                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Help a new 4-Her in a livestock project prepare their animal for showing.                                                                                                     | <input type="checkbox"/> Explain 3 different ways to ensure high quality meat in a market project.                       |
| <input type="checkbox"/> Help a new 4-Her select an animal for their livestock project.                                                                                                                | <input type="checkbox"/> Demonstrate how to properly store, label and account for all drug products and medicated feeds. |
| <input type="checkbox"/> Describe what carcass measurements are listed for livestock, and listing all the formulas for all the areas.                                                                  | <input type="checkbox"/> Plan & organize a county-wide workshop.                                                         |
| <input type="checkbox"/> Compile a list of all retail cuts of meat that are produced by a market animal and identify from which wholesale cut each comes.                                              | <input type="checkbox"/> Help a new 4-H member update his/her record book.                                               |
| <input type="checkbox"/> Plan a waste disposal system for a livestock operation.                                                                                                                       | <input type="checkbox"/> Shadow someone in a livestock-related career.                                                   |
| <input type="checkbox"/> Join a Junior breed association.                                                                                                                                              | <input type="checkbox"/> Achieve a target rate of gain of 2.0 lbs/day on your Swine project.                             |
| <input type="checkbox"/> Research the different careers available in animal science and visit a business that offers opportunities for people with animal science degrees.                             | <input type="checkbox"/> Other (optional):                                                                               |
| <input type="checkbox"/> Develop a plan to deal with questions from the media on livestock practices.                                                                                                  | <input type="checkbox"/> Other (optional):                                                                               |
| <input type="checkbox"/> Research the various livestock marketing alternatives for your project animal.                                                                                                | <input type="checkbox"/> Other (optional):                                                                               |
| <input type="checkbox"/> Lead an activity in your club meeting to teach members in your club how to write a proper Thank you note to award donors, buyers and anyone who helped you with your project. |                                                                                                                          |

## MY PROJECT CONCLUSION

1. What are some observations from working with your animal throughout the course of the project? Referring back to the *Production Plan & Performance* chart on Page 2, how did your animal's actual performance compare to the expected performance?

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2. What would you change or do the same the next time you begin a livestock project? For example: different feed, different breed, frame size of animal, etc. you would start with.

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3. Referring to the *Learning Goals* you wrote on Page 2, did you achieve your learning goals? What was most helpful in achieving them? What problems did you experience?

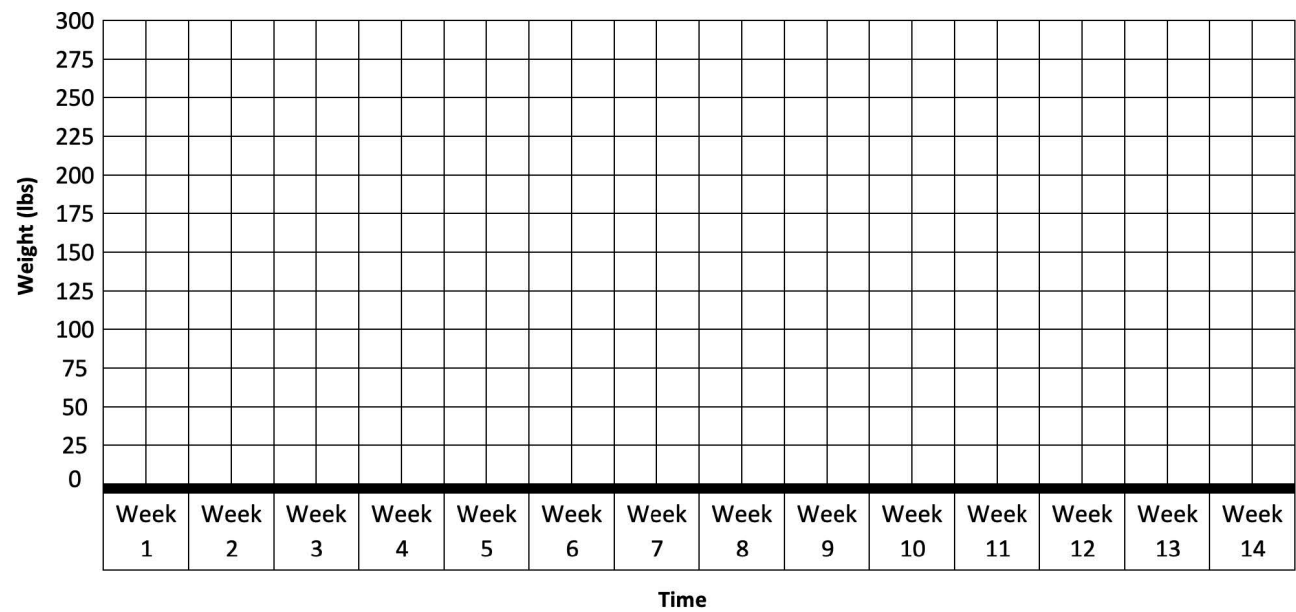
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**Appendix Section:** Attach pictures-with captions, newspaper articles, feed labels, or other artifact, etc., that support your Livestock project)

**Swine Performance Graph.** Chart the estimated weight of your animal on this graph throughout the duration of the project. Use a tape to estimate weight if a scale is not available.



## LIVESTOCK PROJECT RECORD BOOK SCORE SHEET

**Name:** \_\_\_\_\_ **County:** \_\_\_\_\_

**Category:** \_\_\_\_\_ **Ribbon Color:** \_\_\_\_\_ **Judge's Initials:** \_\_\_\_\_

**Instructions:** Check one box for the statement on each row that best describes each record book section/criteria. Provide points for each row and specific details in the comment boxes if necessary.

	PTS	Excellent	Good	Fair	Needs Improvement	Comments
<b>Cover Page</b> - Complete with signatures		(5)	(4-3)	(2)	(1)	
<b>Project Plan Goals</b> - Realistic, age/skill appropriate and documents what member wants to learn.		(15-11)	(10-6)	(5-2)	(1)	
<b>Production Plan &amp; Performance</b> - Member completed information on all sections, calculation are accurate.		(15-11)	(10-6)	(5-2)	(1)	
<b>Financial Plan &amp; Project Finances</b> - Expected column completed, Actual column completed, along with any financial agreement.		(15-11)	(10-6)	(5-2)	(1)	
<b>Summary of Time Spent with Project Animal &amp; YQCA Date</b> - All sections are completed.		(5)	(4-3)	(2)	(1)	
<b>Project Management Records</b> – Completed project animal information, treatment records, other expenses, exhibit expenses and feed expenses.		(15-11)	(10-6)	(5-2)	(1)	
<b>Knowledge &amp; Skill Sheet, Appendix &amp; Graph</b> - Member documented 6-7 new skills learned from their skill level section.		(5)	(4-3)	(2)	(1)	
<b>Story</b> – Story is well organized. One idea follows another in a logical sequence with clear transactions. Story summarizes learning experiences. Minimal spelling, punctuation, or grammatical errors. Story contains creative detail and/or description that contribute to the reader's enjoyment.		(25-20)	(19-10)	(9-5)	(4-1)	

\*\* Blue = 100 - 90 pts   Red = 89 - 70 pts   White 69 pts or lower

Please include any other specific comments or suggestions for improvement here: