

4HSWR02

4-H SWINE RECORD BOOK 2



Name _____ Date of Birth _____

Address _____

Grade in School _____ Name of School _____

Years in 4-H _____ Years in Swine Projects _____

Name of Local Club _____

Parent or Guardian _____

Local Leader _____

County Extension Agent _____ County _____

Goals That Can Be Reached Through This Project

4-H Record Book Competition

- 1) County award (all ages)
- 2) State award (14 years by January 1 current year)
- 3) National award (14 years by January 1 current year)

Demonstration or Illustrated Talk Competitions

- 1) County events (all ages)
- 2) District events (all ages)
- 3) State events (senior 4-Hers only)

Objectives

The purpose of a market hog 4-H project is to achieve the following:

- 1) To develop leadership abilities, build character and assume citizenship responsibilities.
- 2) To develop integrity, sportsmanship, cooperation and ability to speak in public through participation in related activities, such as demonstrations, talks, judging events, tours and exhibits.
- 3) To acquire an understanding of swine breeding, production and management practices and acquire skills in executing them by owning, caring for and keeping records on one or more head of swine.
- 4) To demonstrate sound swine breeding, feeding and management practices on the home farm and in the community.
- 5) To be able to identify the types and grades of hogs and employ efficient methods of marketing.
- 6) To identify the degree of quality, the wholesale and retail cuts of pork and pork products and understand their importance to human nutrition.
- 7) To develop an understanding of the values of scientific research and its influence upon the swine and meat industry.



In the first swine record book, 4HSWR01, you learned how to keep records on production costs and income, as well as the amount of feed and what equipment was bought. In order to get all this done, you probably borrowed money from your parents and/or perhaps the bank. This set of records includes a

form to take into account the cost of borrowed money. It also shows you how to allow for the lost value of a used piece of equipment. Ask your leader or parents to help you get started, and use the chapter on finances in the advanced manual.

These records are also used to determine four outstanding members in your county, each of whom receives a swine medal. In addition, they are used to

select the state winner among members 14 and older. The person who wins is sponsored by the Florida 4-H Club Foundation to attend the National 4-H Congress, even if he or she does not win one of the national awards.

The Wilson Foods Corporation awards each state winner a \$50.00 U.S. Savings Bond. The six national winners also receive a \$1000.00 scholarship each and a trip to the National 4-H Congress.

Of course it takes a lot of hard work and outstanding accomplishments to win these awards. It means trying more than just swine projects, although that is the basis for the rest. If interested in competing for these awards, talk to your leader. He has several booklets that go into more detail and copies of the National 4-H Report Form.

INVENTORY

Opening Inventory

Animals

Description	Number	Price/lb.	Total value
<i>40 lb. feeder</i>	<i>1</i>	<i>30¢</i>	<i>\$ 32.00</i>
Total value of animals			_____

Equipment

Description	Number	Value each	Total value
<i>Wheelbarrow</i>	<i>1</i>	<i>\$ 37.00</i>	<i>\$ 37.00</i>
Total value of equipment			_____

Feed

Description	Number	Price/lb.	Total value
18 % CP* Starter 50 lb. bag	2	14.5¢	\$ 14.50

Total value of feed _____

Total OPENING INVENTORY value _____

Closing Inventory

The value of equipment at the end of the year will be less than when it was new, because you have used it. This is called depreciation. The formula below is used to calculate exactly how much the value decreased. An example shows how the math is done. Use it when figuring the ending inventory.

$$\frac{\text{Value new}}{\text{No. Useful Years}} = \text{Amount subtracted each year}$$

Example: \$37.00 wheelbarrow useful life: 5 years

$$\frac{\$37.00}{5 \text{ years}}$$

37 ÷ 5 = \$7.40 Year 1: \$37.00 - \$7.40 = \$29.60
 Year 2: \$29.60 - \$7.40 = \$22.20

Continue through fifth year when depreciated to \$0.00.

Animals

Description	Number	Value each	Total value
— Breeding gilt	1	\$ 150.00	\$150.00 —

Total value of animals _____

Equipment

Description	Number	Value each	Total value
<i>Wheelbarrow</i>	<i>1</i>	<i>\$ 29.60</i>	<i>\$ 29.60</i>
Total value of equipment			_____

Feed

Description	Number	Price/lb.	Total value
<i>14 % CP Finisher, 50 lb. bag</i>	<i>5</i>	<i>11.3 ¢</i>	<i>\$ 28.25</i>
Total value of feed			_____
Total value of CLOSING INVENTORY			_____

Receipts

Record the value of all products or animals sold or used at home. Also include show premiums and other money earned or received.

Date	Description	Number	Price/lb.	Total value
<i>11/1</i>	<i>barrow, 225 lbs.</i>	<i>1</i>	<i>41 ¢</i>	<i>\$ 92.25</i>
Total Receipts				_____

Expenses

List everything for which you spend money. This means everything like vet bills, feed and bedding, marketing charges, show fees, more livestock, repairs, utilities, telephone, equipment, etc.

Date	Description	Number	Price	Total
7/15	Waterbuckets	2	\$ 1.29	\$ 2.58

Expenses

List everything for which you spend money. This means everything like vet bills, feed and bedding, marketing charges, show fees, more livestock, repairs, utilities, telephone, equipment, etc.

Date	Description	Number	Price	Total
			Total Expenses	_____

Financial Records

Money can be borrowed for just a short period -- until your next allowance -- or for as long as the entire year. Interest is charged by the lender for the use of his money during that time. This is the formula to figure out how much interest there is:

$$Interest = Amount\ borrowed * \% \ interest * \frac{Number\ of\ months}{12}$$

The percent (%) interest and length of time (number of months) must be agreed upon before you borrow money.

Money borrowed during the year:

Date Borrowed	Date Paid back	Amount	Interest Rate	Months	
7/1/80	3/1/80	\$1000	12%	8	= \$ 80.00
					= \$
					= \$
					= \$
					= \$
					Total interest for year = \$

This total should be listed under EXPENSES at the end of the year.

Ration record

Use this record to show what and how much you are feeding. Also note the changes you make during the year.

Date	Animal	Ingredients	Protein	Amount per day
7/2	barrow	corn, soybean meal, dried milk, Aureomycin	18%	3 lbs. x 14 days
7/15	stopped feeding	starter		Total 42 lbs.

Weight record

This is very important if you have a market hog project and is useful with a breeding project as well.

Animal	Start of Project		Weight Changes			End of Project		Total Gain	Days on Feed	ADG*	
	Date	Weight	Date	Weight	Date	Weight	Date				Weight
<i>barrow</i>	<i>7/2</i>	<i>40 lbs.</i>	<i>8/11</i>	<i>100 lbs.</i>	<i>9/10</i>	<i>151 lbs.</i>	<i>10/19</i>	<i>220 lbs.</i>	<i>180 lbs.</i>	<i>108</i>	<i>1.7 lbs.</i>

*ADG: Average Daily Gain. Divide total gain by days on feed.

Financial Summary

Use this for to calculate finances. If the final number is positive, you made a profit for the year. If it is negative, you spent more than you earned.

Receipts

- 1. Closing Inventory (from p. 4) _____
- 2. Receipts (from p. 5) + _____
- 3. Total Receipts = _____

Expenses

- 4. Opening Inventory (from p. 4) _____
- 5. Expenses (from p. 7) + _____
- 6. Total Expenses = _____

Profit or loss (subtract line 6 from line 3) _____

Feed and gain summary

Gain

1. Ending Weight _____
 2. Starting Weight _____ - _____
 3. Total Gain _____ = _____

Feed

4. Total Pounds Fed (from **Ration Record**) _____
 5. Feed Fed per Pound of Gain (divide 4 by 3) _____
 6. Total Feed Cost (from **Expenses Record**) _____
 7. Feed Cost per Pound of Gain (divide 6 by 3) _____

Litter Record

The first part of this record is needed for purebreds only. The second part should be filled out for all animals.

			Dam's Dam	_____	Reg. No.	_____	
Dam	_____	Reg. No.	_____	Dam's Sire	_____	Reg. No.	_____
Farrowed	_____			Breeder	_____		
			Sire's Dam	_____	Reg. No.	_____	
Sire	_____	Reg. No.	_____	Sire's Sire	_____	Reg. No.	_____
Farrowed	_____			Breeder	_____		

				Gilts	Boars	
Date Farrowed	_____	No. Farrowed	_____	_____	_____	Litter ID _____
Date Weaned	_____	No. Alive	_____	_____	_____	Vaccinations _____
		No. Weaned	_____	_____	_____	_____
Needle teeth	_____	Tails	_____	Iron	_____	Castrate _____

Pig	Sex	Birth Weight	Weaning Weight	140-day Weight	Remarks
101	F	3.0 lbs.	12.5 lbs.	180 lbs.	14 teats

Breeding Summary

Record the information for each sow each time she is bred. A **Litter Record** should be used for individual litters. Keep all **Litter Records** of one sow together. Your leader has extra copies if you need them.

Sow	Date Bred	Boar	Times Mated	Date Farrowed	Number of pigs	Date Weaned	Number of pigs	Total Litter Weight
12	3/16	Red	2	7/8	10	8/15	9	220 lbs.

Animal health record

This is to help you and your vet. Expenses should be entered on the **Expenses** form.

Date	Animal	Description and Treatment	By whom
8/1	barrow	vaccinate - erysipelas - lept	vet

Show record

This record is not for expenses and premiums. Those should be entered under **Expenses** and **Receipts**. This one keeps track of how your pig does in shows.

Date	Show	Animal	Class	Number	Place/Ribbon
10/20	Madison	barrow	med. wt.	23	3rd.

Pictures of Your Project

If possible show:

- 1) The beginning of your project
- 2) Work being done
- 3) Your completed project

Swine Project Story

Story hints:

- 1) What 4-H Club work has meant to you.
- 2) What you have learned about swine.
- 3) What safety practices you used in your project.
- 4) How you managed your project.
- 5) What you can do to improve your project.
- 6) Tell about your trip to 4-H Congress or camp.
- 7) What you did to "make the best better".
- 8) Tell about any other 4-H experiences.

If you need additional space for your story, type or write it on a separate sheet of paper and glue or tape in this space.

A partial list of suggested demonstrations:

- | | |
|-----------------------------------------|----------------------------------------------------------|
| 1. Swine genetics | 9. Pork in human nutrition |
| 2. Swine disease control | 10. Purpose of opening and closing inventories |
| 3. Swine by-products | 11. History of swine |
| 4. Care of sow and litter | 12. Why is a boar half of a breeding herd? |
| 5. Swine rations | 13. What a feed tag does not tell you |
| 6. Curing ham | 14. The life cycle of internal/external parasites |
| 7. Selection for breeding | 15. The value of crossbreeding |
| 8. Wholesale/retail cuts of pork | 16. How to use a Pearson's Square |

A Note to Parents and Leaders

You are the most important influence on a 4-Hér's life. As such you can play very important roles in guiding them through their project, making it a pleasant and rewarding experience. This material provides opportunities to learn and develop with the help of the County Extension 4-H Coordinator and you. Following are some things you can do to help the 4-Hér get the most out of this project:

- 1) Become familiar with material in this publication.
- 2) Using the information and talking with the 4-H coordinator, help 4-Hér choose goals that can be fulfilled.
- 3) Assist in deciding what tools, equipment and supplies will be needed, and help 4-Hér put the project together.
- 4) Help 4-Hér to understand and learn the tasks necessary to carry out the planned project. **DON'T DO ALL OF THE WORK YOURSELF!**
- 5) Review 4-Hér's records occasionally to make sure the records are up to date. This is a very important part of the project and should not be neglected.
- 6) Discuss the progress of the project and help 4-Hér to recognize the difference between a good job and a bad one.
- 7) Help 4-Hér to understand where project improvements are needed, and remember - your compliments for a job well done are important.
- 8) Help 4-Hér to know and evaluate the project and effort expended on the basis of goals and objectives set.
- 9) Assist 4-Hér with establishing long range goals and selecting projects to meet this challenge.
- 10) **AVOID COMPARING 4-H'ER WITH OTHERS.**

4-H MEMBER'S CREED

I believe in 4-H Club work for the opportunity it will give me to become a useful citizen.

I believe in the training of my Head for the power it will give me to think, plan, and reason.

I believe in the training of my Heart for the nobleness it will give me to be kind, sympathetic, and true.

I believe in the training of my Hands for the ability it will give me to be helpful, useful, and skillful.

I believe in the training of my Health for the strength it will give me to enjoy life, to resist disease, and to work efficiently.

I believe in my Country, my State, and my Community, and in my responsibility for their development.

In all these things, I believe and I am willing to dedicate my efforts to their fulfillment.



4-H PLEDGE

I pledge
My Head to clearer thinking,
My Heart to greater loyalty,
My Hands to larger service, and
My Health to better living, for my Club,
My Community, my Country, and my World.



YOUR 4-H SLOGAN

“LEARN BY DOING”

This is a true record of my Project. Signed _____

Member

Approved _____

County Extension Agent

Date

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2. Debbie Glauer, member of 4-H Animal Science Design Team, Department of Family, Youth and Community Science, Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, 32611



Cooperative Extension Service
Institute of Food and Agricultural Sciences

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