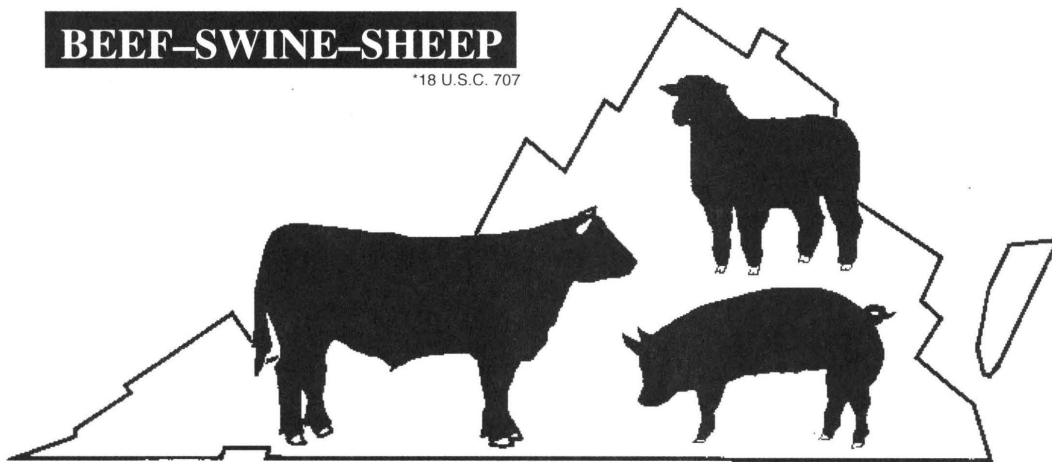




ADVANCED 4-H LIVESTOCK RECORD BOOK

BEEF-SWINE-SHEEP

*18 U.S.C. 707



My project is (check project taken)

BEEF

- Market Beef
- Breeding Heifer
- Cow-Calf

SHEEP

- Market Lamb
- Ewe Flock

SWINE

- Market Hog
- Breeding Gilt
- Feeder Pig

NAME _____ AGE _____ CLUB YEAR _____

ADDRESS _____

COUNTY OR CITY _____

NAME OF CLUB _____

NAME OF LEADER _____ YEARS IN 4-H _____

DATE PROJECT BEGAN _____

ENDED _____

PROJECT APPROVED BY (LEADER) _____

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Instructions for advanced livestock club members

Prepared by Mark L. Wahlberg, Extension Animal Scientist, 4-H, Virginia Tech

Good records are an essential part of any business. Your livestock project is a business enterprise. A good record will help you plan your project from year to year. It will show areas that need to be improved, items that were done correctly, and whether you are doing better each year. It helps those who read your record to know your project and club work and see what progress you have made.

This record is designed for members over 11 years old who have completed two years in the beginning record. Beginners may use this record with approval of their leader.

1. Only one record book is needed for each project year. Please see the cover of this book for project categories.
2. All animals carried in a project should be recorded in this book.
3. The livestock record year starts October 1. If you have a breeding project, animals will be carried from one year to the next. The project year closes September 30. For market projects, this record begins when you purchase your animal and ends when it is sold or slaughtered.
4. Carcass information of market livestock should be obtained and recorded in this record.
5. You should keep past years' records for a project together, perhaps in a three-ring notebook.

When you enter state or national achievement or record contests, you will need to refer to your past records. Keep news articles and programs from special events and meetings that concerned you or you were involved with and include them in your record book.

Special instructions for breeding projects

Project records for breeding sheep are on page 10, and beef and swine are on page 11. If there is not enough space for your total herd or flock, then copy these pages and insert them in this book. You may have your herd or flock enrolled in a breed association or livestock improvement association computer program. If so, attach a copy of the computer printout in the records section of the breeding project.

Portions of this record are based on Record B-4
from the Idaho Cooperative Extension Service

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PLANNING YOUR PROJECT

I plan to have _____ head of _____ as my project animals this year.

I will need the following to conduct this project:

	Amount (pounds)	Estimated Cost
Grain	_____	_____
Hay	_____	_____
Pasture	_____	_____
Supplement	_____	_____
Total Feed	_____	\$ _____

FOR MARKET PROJECTS ONLY

My animals should weigh _____ lb. when my project starts on _____ (date)
and should gain _____ lb./day to weigh _____ lb. (correct market weight) at show time.

I would like to accomplish the following with my project this year.

FINANCIAL ARRANGEMENT

Planning finances is essential to any business. Livestock producers often must borrow money to purchase livestock or feed. If you must borrow money, the interest charge (cost of using someone else's money) must be recorded as an expense for this project. Interest cost is figured by this formula:

$$\text{INTEREST COST} = \frac{\text{Amount borrowed} \times \text{interest rate (\%)} \times \text{Number of months borrowed}}{12}$$

Your financial arrangements should be recorded under numbers 1, 2, or 3 below. If you had no interest cost, enter "0" in the TOTAL. Even if you used your own money or borrowed without having to pay interest, you should still calculate what you should have paid or what you could have earned in a bank account.

1. I had the following agreement with my parents: _____

or 2. I used my own money:

I used \$ _____ at _____ % interest for _____ months ÷ 12 = \$ _____ interest charge.

or 3. I borrowed \$ _____ from _____ (bank, business, or other sponsor) at _____ % interest for _____ months ÷ 12 = \$ _____ interest charge.

My total interest cost was..... \$ _____

INVENTORIES

The inventory is a statement of the amount, kind, and value of livestock, equipment, and supplies which you have on hand either at the start of your year's project or at the end of the year. The items listed should be entered at their actual value. Do not list anything in the beginning inventory which you purchase after starting your records. Do not list anything in the closing inventory that you sell during the project year. It is recommended that you use either the 4H project year or the calendar year for your inventory dates. The 4-H year begins October 1 and ends September 30 of the next year, the calendar year begins January 1 and ends December 31. The calendar year is most often used for tax reporting.

INVENTORIES OF LIVESTOCK

BEGINNING			
Livestock you own on hand at the beginning of the project year Date _____			
NO. & Kind of Livestock	Age	Weight	Value
(example) 1 heifer, Hereford, Grade	1yr.	600	\$320
TOTALS	Number		\$

CLOSING		
Livestock you own on hand at the end of the project year Date _____		
NO. & Kind of Livestock	Weight	Value
(example) 1 heifer, Hereford, Grade	950	\$400
TOTALS	Number	\$

INVENTORY OF EQUIPMENT AND FEED

BEGINNING	
Equipment and feed on hand at the beginning of the project year	
Amount & Kind	Value
(example) 1 halter (leather)	\$12.00
TOTAL VALUE	\$

CLOSING	
Equipment and feed on hand at the end of the project year	
Amount & Kind	Value
(example) 1 halter (leather)	\$11.50
TOTAL VALUE	\$

PROJECT PHOTOGRAPHS

Attach photographs of your animals to additional pages and insert them in this project record book.

RECORD AT FAIRS AND SHOWS

Kind of exhibit	Name and Place of Fair or show	Date	No. in Class	Placing	Premiums
Total Value of Premiums Won \$					

NEW PURCHASES

Animals				Equipment	
Date col. 1	Number, breed, and/or sex col. 2	Cost col. 3	Date col. 4	Name or description col. 5	Cost col. 6
(Include nothing already listed in beginning inventory, page 4)					
		\$			\$
Totals	Total Head	\$			\$

LIVE ANIMAL PERFORMANCE

Official feed period								
Animal name, tag, or identification no.	Breed	Sex	Date on	Date off	Days on	Initial weight	Final weight	Total wt. gain

PRODUCTION EFFICIENCY

All items below apply to Breeding project, while only 7 through 10 apply to Market Animal projects.

<p>1. No. head bred _____</p> <p>2. No. head born _____</p> <p>3. No. head weaned _____</p> <p>7. Ave. daily gain: _____ ÷ _____ = <small style="margin-left: 100px;">Total wt. gained Days on feed</small></p> <p>8. Feed consumed per pound gained: _____ ÷ _____ = <small style="margin-left: 100px;">lb. feed consumed lb. gained</small> <small style="margin-left: 100px;">(total cols 7 & 11 p. 6-7)</small></p> <p>9. Feed cost per pound of gain: _____ ÷ _____ = <small style="margin-left: 100px;">feed cost lb. gained</small> <small style="margin-left: 100px;">(total cols 8 & 12 p. 7)</small></p> <p>10. Type of feed fed _____</p>	<p>4. No. head marketed _____</p> <p>5. No. head breeding replacements kept _____</p> <p>6. No. head died _____ % loss _____</p> <p style="text-align: center;">Market animal identification no.</p> <table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																				

ANIMAL HEALTH RECORD

This is a health record only. Expenses for drugs, treatments, and veterinarian services should be included on page 7 columns 13-15

Date	Tag no. of animal treated	Description of sickness	Treatment	Treated by whom

Beef and Sheep (only)						Swine (only)						
Carcass wt.hot	Quality grade	Rib-eye sq. in.	Internal fat %	External fat thickness	Yield grade	Carcass wt.	Days of age	Loin eye area	Back fat	Length	Pounds of muscle per day on feed	Percent muscle

FINANCIAL SUMMARY

INCOME: (Do not include ribbon premiums)

1. Total value of stock in hand at close of year (page 4)..... \$ _____
2. Total value of equipment and feed on hand at close of year (page 4)..... \$ _____
3. Total income from animals sold (page 6, cols. 20 and 22)..... \$ _____
4. Total income from products sold (page 7, col. 27)..... \$ _____
5. Total value of products used at home (page 7, col. 32)..... \$ _____
6. TOTAL INCOME (Total of lines 1-5)..... \$ _____

EXPENSES:

7. Total value of stock in hand at beginning of year (page 4) \$ _____
 8. Total value of equipment and feed on hand at beginning of year (page 4)..... \$ _____
 9. Total cost of new purchases (page 5, cols.3 and 6)..... \$ _____
 10. Total cost of feed (pages 6 and 7, cols. 4 ,8, and 12) \$ _____
 11. Total of other operating costs (page 7, col. 15)..... \$ _____
 12. TOTAL EXPENSES (Total of lines 7-11)..... \$ _____
- Subtract: TOTAL INCOME (item 6)..... \$ _____
- TOTAL EXPENSES (item12)..... \$ _____
13. NET GAIN OR LOSS (circle one) \$ _____
- (Excluding premium money received)
- Total Premiums received (from page 5)..... \$ _____

