



4-H Market Livestock (Beef or Swine)



Care and Feed Record Book

Circle One	Beef	Swine	
Circle One	Junior	Intermediate	Senior

Manatee County

Name _____ Age (September 1) _____

Club _____

Years in 4-H _____ Years in Project _____

I hereby certify that I have personally been responsible for the care of this animal, have personally kept records on this project, and have personally completed this record book.

Member Signature _____ Date _____ Initials for fair _____

I/We, the parents/guardian certify that our son/daughter has completed this record book and I/we have reviewed it for completeness and accuracy of reporting.

Parent/Guardian Signature _____ Date _____ Initials for fair _____

I have reviewed this 4-H record book for completeness and accuracy of reporting.

Organizational Leader Signature _____ Date _____ Initials for fair _____

FOR USE AT THE MANATEE COUNTY FAIR AND AS THE 4-H PROJECT BOOK

4-H Market Livestock book replaces 4-H Beef and 4-H Swine Care and Feed record books.

Note: The County Fair rules require that you submit a Care and Feed Record Book to them (check with the Fair Office for due date) if you enter any animal in the County Fair even if you don't show that animal for any reason. If you do not turn in a record book to the Fair, you cannot show ANY animal at next year's County Fair.

Purpose

The purpose of a 4-H market livestock project is:

- To acquire an understanding of market animal production by preparing for, purchasing, caring for, and keeping records on an animal.
- To be able to identify the types and grades of animals and employ efficient methods of marketing.
- To understand the business aspects and economics of purchasing animals, feeds, facilities, and equipment for an animal project.
- To develop integrity, sportsmanship, and cooperation.
- To develop leadership abilities, build character, and assume citizenship responsibilities.

4-H Market Livestock Care and Feed Record Book Guidelines:

It is suggested that a copy of the record book be made for use as a work copy. Records should then be transferred into this book for submission.

- Your record book should start with the **purchase date of your animal or Sept. 1st**.
- Record books should be completed on the animal relating to your beef or swine project.
- Always double-check your math and have someone check your project Story/Essay for spelling and grammar before you write it in the final record book.
- **Your final record book must be hand written by the 4-H'er (Juniors may use pencil or pen, Intermediates & Seniors must use pen, however the Project Story /Essay may be typed (on 8 ½ X 11, single-sided paper, in a 12 point double spaced font, by the 4-H member and attached.**
- **Junior members (age 8-10) Recommended Story/Essay length is no less than 1 page.**
- **Intermediate members (age 11-13) Recommended Story/Essay length is no less than 2 pages.**
- **Senior members (age 14-18) Recommended Story/Essay length is no less than 3 pages.**

I. PROJECT INVENTORY * (to be completed by Fair Record Book check in)

List all equipment and assets you had at the beginning of the project. After listing existing inventory, you should also list those items you purchased this year. **List items you will keep past the end of this project on this page only** (inventory examples include clippers, clipper blades, blowers, chutes, feed pans/feeders, brushes, tack, etc.) **DO NOT** list expendable items such as shampoo, etc. **The current year begins with the purchase date of your project animal or Sept 1st and ends with the sale of your animal.**

Complete columns pertaining to your age.(Jr., Int., Sr.)

Please refer to Project Terms and Explanation, page 20, for help with this page

Item Description	Date Acquired	Purchase Cost or Value	Value at beginning of project	Depreciation (10% of purchase cost, per calendar year)	Value at end of project
Jr. Int. & Sr.	Jr. Int. & Sr.	Jr. Int. & Sr.	Sr.	Sr.	Sr.
Total Depreciation (Depreciation is an Expense)					
Value at End/Total Assets					

II. ANIMAL EXPENSE * (to be completed by Fair Record Book check in)

If a weight is not given at time of purchase estimate weight. **To calculate the Price per Pound of an animal- divide the cost by the estimated weight.**

Date	Description (Breed, type, ID# if any)	Paid To	Birth Date	Weight	Price/ Per Pound	Total Cost

Cost of Animal \$_____

III. NON-FEED EXPENSES * (to be completed by Fair Record Book check in)

List (non-feed expenses) everything that you spent money on that you will **NOT** have at the end of the project. This should NOT include feed or hay unless hay is for bedding. This includes entry fees/Fair passes, veterinary expenses, bedding, deworming items, marketing costs (i.e. printing, stamps & envelopes) and other expendable items such as shampoo, printing of pictures, ink etc. **List items you will keep past the end of this project on the Project Inventory page (page 3) only.**

Date	Description	Paid to	Total Cost
	Percentage deducted from Add-ons by fair	Manatee River Fair	
	Percentage deducted by fair	Manatee River Fair	
Total Non-Feed Expenses			

IV. FEED EXPENSES * (to be completed by Fair Record Book check in)

List all feed expenses on pages 5 & 6. Each feed purchase including weight should be listed separately. **All hay expenses are to be recorded on page 7.**

Date	Description	Paid To	Pounds	Total Cost
Page Total – Pounds of Feed				
Page Total – Feed Cost				

IV. FEED EXPENSES –continued * (to be completed by Fair Record Book check in)

List all feed expenses on pages 5 & 6. Each feed purchase including weight should be listed separately. **All hay expenses are to be recorded on page 7.**

Date	Description	Paid To	Pounds	Total Cost
Page Total – Pounds of Feed				
Page Total – Feed Cost				

V. HAY EXPENSES * (to be completed by Fair Record Book check in)

List all hay expenses on this page. Each hay purchase should be listed separately. **(This is hay that is eaten not used for bedding. Bedding is listed on page 4 under Non-Feed expenses)**

Date	Description	Paid To	Quantity # of bales	Total Cost
Page Total – Hay Cost				

Total Pounds of Feed page 5 _____

Total Pounds of Feed page 6 + _____

Total Pounds of Feed = _____

Total Feed Cost page 5 \$ _____

Total Feed Cost page 6 \$ _____

Total Hay Cost page 7 + \$ _____

Total Feed & Hay Cost = \$ _____

VI. RATION RECORD * (to be completed by Fair Record Book check in)

Entries should be made at the beginning and then any time you make a change in your animal's ration. For example, if you start your animal on a growing ration and change it to a finishing ration, enter that information. If you change amount of feed per day or add a supplement, enter that data also. If you do not make any changes in your ration pattern, indicate "**no changes made**". **List all feed and supplement amounts on this page (list each change separately).**

Date	Product Information Feed Name, Nutrient Content	Amount Fed Pounds/Day

VII. INCOME - ANIMAL SOLD * (complete all that you can by Fair Record Book check in)

Do not subtract % deducted by the fair here (see pg. 4 sec. III). Whatever the purchase price was **X** the final weight (**up to 290lbs. /swine and 1500lbs. /steers**) is what the total is. **This will be your actual sale price. If you have no income from this project, THEN ENTER ZERO.**

() Check here if you did not sell your project animal.

Date	Description (Breed, type, ID# if any)	Purchased by	Weight	Price/ Per Pound	Total

VIII. OTHER INCOME – ADD-ONS AND SHOW RECEIPTS

Other project income should be recorded here, such as each add-on, each show premium or other money earned. **If you have no other income from this project, THEN ENTER ZERO.**

Date	Description (Show/contest/demonstration/placing and or ribbon)	Total
	Total Other Income	

IX. SPONSOR INCOME

You should record here any money given to you, to support your project, by sponsors.
 Example: If someone buys your feed or hay for your animal. **IF NONE, ENTER ZERO.**

Sponsor's Name	Total
	Total Sponsor Income

X. WEIGHT RECORD * (to be up to date for the Fair Record Book check in)

Keep track of the weight gains of your animal. Be sure to include the beginning weight and your final weight at Fair check-in. **Beginning weight is taken when you purchase your animal. If you do not have access to scales, use a weight tape. The number of days on feed starts when you purchase your animal and ends on the day you sell your animal.**

* Average Daily Gain can be calculated by taking the pounds gained since last weighing, divided by the number of days since last weighing.

Date	Weight	Pounds gained since last weighing	Number of days since last weighing	Average Daily Gain *
Beginning Weight				
Total Gain				
Total Number of Days on Feed				

XI. HEALTH RECORD * (to be completed by Fair Record Book check in)

This should include a record of any health related activities (**deworming, vaccinations, steer check-in, use of veterinarian's services for any reason such as health certificate**). Include what you used, how much you used, and what you used it for. Fill in all applicable information. **If your animal was healthy throughout the project, please note that.**

Date	Description of activity	Product used	Dosage	Withdrawal Time

XIII. PROJECT SUMMARY

NOTE- Items with an asterisk (*) must be recorded for the Record Book check at your respective Fair Check-in. This is considered “Up to date”.

GAIN		
1	* Beginning Weight <i>(From pg. 10, Sec II)</i>	
2	Final Weight (at Fair check in) <i>(From pg. 10, Sec. X)</i>	
3	Total Gain <i>(From page 10, sec. X)</i>	
4	* Total Number of Days on Feed <i>(From pg. 10, Sec. X)</i>	
5	Final Average Daily Gain <i>(From pg. 10, Sec. X)</i>	
	<i>(See page 19 for Explanation #'s 1 & 2)</i>	
FEED		
6	* Total Pounds of Feed Fed <i>(From page 7 Sec. IV)</i>	
7	* Total Feed & Hay Cost <i>(From page 7)</i>	
8	Conversion (Pounds of feed fed per pound of gain)	
	<i>(See page 20 for Explanation # 3)</i>	
9	Cost of Gain (cost of feed per pound of gain)	
	<i>(See page 20 for Explanation # 4)</i>	
INCOME		
10	Income - Animal Sold <i>(From page 8 Sec. VII)</i>	
11	Other Income & Sponsor Income <i>(From page 9 Sec. VIII)</i>	
12	Estimated Carcass Value (use only if animal was not sold)	
	<i>(See Page 20 for Explanation # 5)</i>	
13	TOTAL INCOME <i>(Line 10+11)If animal is sold</i>	
	<i>(Line 11+12)If animal was not sold</i>	
EXPENSES		
14	* Total Depreciation <i>(From page 3 Sec. I)</i> ONLY SENIORS COMPLETE THIS LINE	
15	* Animal Expense <i>(From page 4 Sec. II)</i>	
16	* Total Non-Feed Expenses <i>(From page 4 Sec. III)</i>	
17	* Total Feed and Hay Expenses <i>(From page 7)</i>	
18	* TOTAL EXPENSES <i>(Line 14+15+16+17)</i>	
SUMMARY		
19	FINAL PROFIT/LOSS <i>(Line 13-18)</i>	
20	* TOTAL ASSETS <i>(From page 3)</i> ONLY SENIORS COMPLETE THIS LINE	

XIV. PICTURES OF YOUR PROJECT * (You should have approximately half of your pictures by the Fair Record Book check in)

Show your project from the beginning to the end along with different skills that you have learned. This should include a **minimum of 8 pictures and a maximum of 10 pictures.** Include a caption with each picture. The captions should tell a story. The pictures and captions should complement your project story. Explain what you are doing and why you are doing the things shown in the picture. What skills are you demonstrating and why? Spelling and grammar are included in the judge's decision. **Do not cover up the directions.**

Pictures (continued):

DO NOT ADD ADDITIONAL PAGES

Pictures (continued):

DO NOT ADD ADDITIONAL PAGES

XV. PROJECT STORY/ESSAY * (to be up to date for the Fair Record Book check in)

Your story/essay may be written or typed (**See page 2 for instruction for writing or typing and for the acceptable length of your story/essay for your age.** Use stories/essays to make a point, be creative, use examples, use interesting facts or statistics, share your experiences, and build strong images by using descriptive words. Be sure to use transition words to connect your ideas. (Examples: first, second, another, also, however, for instance, finally, for example, in conclusion, etc.) Your grammar, spelling and neatness will be evaluated.

XVI. BUYER'S LETTERS AND ADDRESSES *(to be up to date for the Fair Record Book check in)

Please attach (staple) a copy of your buyer's letter to this page and list 3 people or businesses to whom you sent the letters along with their addresses below.

ADDRESS # 1

ADDRESS # 2

ADDRESS # 3

PROJECT TERMS AND EXPLANATIONS

NOTES FOR PROJECT INVENTORY (page 3)

- **Project Year** - Based on a calendar year. Current project year is same year as current Fair.
- **Date acquired** - List the date you obtained this item, on items older than 1 year, the year will be sufficient.
- **Purchase cost or value** - What did this item cost when you obtained it? (Fair market value)
- **Value at Beginning of Project**- Same as purchase cost for items purchased current calendar year. On items from previous years this should be the value from last year's ending inventory or depreciated value of 10% of purchase cost per project year.
- **Depreciation of 10%** - This will be 10%, per calendar year, of the original purchase cost for the items you will still have at the end of the project. This includes items you had at the beginning of the project as well as items purchased during the current calendar year. Depreciation is the loss in value of your assets and is an expense.
- **Value at the end of the project**- This is the value at the beginning of the project minus the depreciation.

Examples:

Items Description	Date Acquired	Purchase Cost or Value	Value at beginning of project	Depreciation (10% of purchase cost, for this calendar year)	Value at end of project
Rope	Purchased 4 years ago	\$7.30	(Depreciated 10% for 3 years) \$5.11	\$0.73	\$4.38
Comb	Purchased 3 years ago	\$19.60	(Depreciated 10% for 2 years) \$15.68	\$1.96	\$13.72
Brush	Purchased Previous Calendar Year	\$5.85	(Depreciated 10% for 1 year) \$5.27	\$0.58	\$4.69
Bucket	Purchased Current Calendar Year	\$9.10	(No Previous Depreciation -purchased current calendar year) \$9.10	\$0.91	\$8.19
Total Depreciation*				\$4.18	
Value of Project Assets					\$30.98

*Depreciation is an expense

NOTES FOR PROJECT SUMMARY (Page 12)

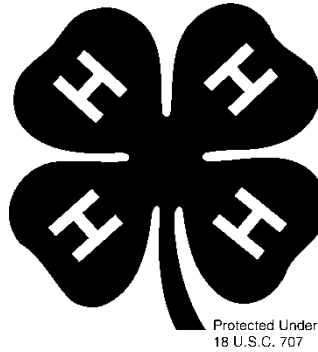
1. **Total Gain** - Final weight minus beginning weight.
2. **Final Average Daily Gain (ADG)** - Total Gain divided by the total number of days on feed.
Use number of days from date you purchased your animal to the date of final check-in.
3. **Conversion - Pounds of Feed fed per pound of gain** - Total pounds of feed fed divided by the total gain.
4. **Cost of Gain** - Total feed cost divided by total gain.
5. **Estimated Carcass Value – use this ONLY if animal is not sold**
 - Hog - Final live weight multiplied by 64% (60-67% dressing range) = Carcass weight
 - Steer - Final live weight multiplied by 63% (average dressing percentage) = Carcass weight
 - Carcass weight multiplied by Current Market Value.
 - (Current Market Value can be obtained at www.arcadiastockyard.com)

SCORING SYSTEM
4-H Market Livestock (Beef or Swine) Care and Feed Record Book

Section	Item	Points Possible
Cover	Signatures	3
I	Project Inventory (page 3)	8
II & III	Animal & Non-Feed Expenses (page 4)	6
IV & V & VI	Feed Expenses, Hay Expenses & Ration Record (pages 5, 6,7 & 8)	8
VII & VIII & IX	Income (Animal Sold), Other Income, & Sponsor Income(pages 8 & 9)	4
X	Weight Record (page 10)	4
XI	Health Record (page 10)	4
XII	Remarks & Incidents (page 11)	5
XIII & XVI	Project Summary (page 12) Buyer's Letter and Addresses (page 19)	10
XIV	Pictures (pages 13, 14 & 15)	8
XV	Project Story (pages 16-18)	30
XVII	Neatness, Accuracy, Grammar, & Spelling	10
	Total Points	100

Ribbon Awards

Blue 90 - 100 pts.
Red 80 - 89 pts.
White 79 - 0 pts.



This document, **4-H Market Livestock (Beef or Swine) Care and Feed Record Book**, was compiled by Diana L. Smith, Ph.D., Extension 4-H Coordinator, University of Florida/IFAS Extension - Manatee County, October 14, 2004, revised January 29, 2008, August 2012, July 2015, August 2017

Credits: **Florida State Fair Youth Livestock Market Record Book** (Revised August 1, 2003).

4-H Beef Care and Feed Record Book (Claudia Cahill, Author), Manatee County 4-H (Revised July 1998).

4-H Swine Care and Feed Record Book (Claudia Cahill, Author), Manatee County 4-H (Revised January 2004 by Diana L. Smith, Ph.D.)

A special thank you to Christa Kirby, Extension Livestock Agent, UF/IFAS Extension - Manatee County; Lori Jorgensen and a team of dedicated Manatee County 4-H Volunteers for their diligent efforts in the revision process (2012) (2015) (2017).