



4-H Market Livestock (Beef or Swine) Care and Feed 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 Care and Feed Book.

Member Signature _____ Date _____ Initials for fair _____

I/We, the parents/guardian certify that our son/daughter has completed this Care and Feed 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 Care and Feed 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 books.

Note: The County Fair rules require that you submit a Care and Feed 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 Care and Feed 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 Book Guidelines:

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

- Your Care and Feed book should start with the **purchase date of your animal or Sept. 1st**.
- Care and Feed 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 Essay for spelling and grammar before you write it in the final Care and Feed book.
- **Your final Care and Feed Book must be hand written by the 4-H'er (Juniors may use pencil or pen, Intermediates & Seniors must use pen, however the Project Essay may be typed (on 8 ½ X 11, single-sided paper, in a 12-point font, double-spaced, by the 4-H member and attached.**
- **Junior members (age 8-10) Essay length is at least one (1) page.**
- **Intermediate members (age 11-13) Essay length is at least two (2) pages.**
- **Senior members (age 14-18) Essay length is at least three (3) pages.**

I. PROJECT INVENTORY * (to be completed by Fair Care and Feed Book check in)

List items you will keep past the end of this project on this page. List all equipment you had at the beginning of the project as well as those items you purchased this year. (Inventory examples include clippers, clipper blades, blowers, chutes, feed pans/feeders, brushes, buckets, whip/crop, spray bottle tack, etc.) **DO NOT** list expendable items such as shampoo. **Wear and tear occurs on equipment we use from year to year. These items will depreciate (go down in value) each year we use them. By listing the depreciated value you will have a more accurate value of your inventory at the end of the project.**

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

Please refer to Project Terms and Explanation, page 21, for help with this page

Item Description	Year Acquired	Purchase Cost or Value	Depreciation (10% of purchase cost)	Value at beginning of project	Value at end of Current project year
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 Care and Feed 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. FAIR DEDUCTIONS EXPENSE - (From Add-on's and sale checks)

The Manatee River Fair deducts **6% from any Add-on's that are processed through the fair. They also deduct 6% from the total sale amount of animals sold at the fair. (Sale check)** This 6% is an expense to you. **List the amount deducted from Add-on's and from your sale check here. If you had no Add-on's please indicate "Received no Add-on's" on the chart.**

If your animal did not make the requirements for admittance to the fair and you sold it privately please put an (X) in the space below.

I sold my animal privately _____.

Description	Paid to	Total Cost
Total Fair Deduction Expenses		

IV. NON-FEED EXPENSES * (to be completed by Fair Care and Feed 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, hoof trimming, marketing costs (i.e. printing, stamps & envelopes) and other expendable items such as shampoo, printing of pictures, ink etc.

Date	Description	Paid to	Total Cost
Total Non-Feed Expenses			

V. FEED EXPENSES * (to be completed by Fair Care and Feed Book check in)

List all feed and supplement expenses on pages 6 & 7. Each feed purchase including weight should be listed separately. **All hay expenses are to be recorded on page 8.**

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

V. FEED EXPENSES –continued * (to be completed by Fair Care and Feed Book check in)

List all feed and supplement expenses on pages 6 & 7. Each feed purchase including weight should be listed separately. **All hay expenses are to be recorded on page 8.**

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

VI. HAY EXPENSES * (to be completed by Fair Care and Feed 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 6 _____
Total Pounds of Feed page 7 + _____
Total Pounds of Feed = _____

Total Feed Cost page 6 \$ _____
Total Feed Cost page 7 \$ _____
Total Hay Cost page 8 + \$ _____
Total Feed & Hay Cost = \$ _____

VII. RATION RECORD * (to be completed by Fair Care and Feed 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 (% of Protein)	Amount Fed Pounds/Day

VIII. 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 at the fair or if you sold it privately.

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

IX. OTHER INCOME – ADD-ONS AND SHOW RECEIPTS

Other project income should be recorded here, such as each add-on, each show premium (**ribbon money**) 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		

X. 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	

XI. WEIGHT RECORD * (to be up to date for the Fair Care and Feed Book check in)

Keep track of your animal’s weight gains. **Be sure to include the beginning weight and your final weight at Fair check-in. Beginning weight is taken when you purchase your animal for (Swine) The first weigh in weight is your beginning weight for (Steers) If you do not have access to scales, use a weight tape. The number of days on feed starts when you purchase your animal (Swine) or the first weigh-in (steers) and ends on the day you check-in to the fair.**

* 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 *
Final Weight				
Total Gain				
Total Number of Days on Feed				
Final Average Daily Gain				

XII. 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. If no vaccinations were given at weigh in please specify that.**

Date	Description of activity	Product used	Dosage	Withdrawal Time

XIII. PROJECT SUMMARY

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

GAIN		
1	* Beginning Weight <i>(From pg. 11, Sec XI)</i>	
2	Final Weight (at Fair check in) <i>(From pg. 11, Sec. XI)</i>	
3	Total Gain <i>(From page 11, sec. XI)</i>	
4	* Total Number of Days on Feed <i>(From pg. 11, Sec. XI)</i>	
5	Final Average Daily Gain <i>(From pg. 11, Sec. XI)</i>	
	<i>(See page 21 for Explanation #'s 1 & 2)</i>	
FEED		
6	* Total Pounds of Feed Fed <i>(From page 8)</i>	
7	* Total Feed & Hay Cost <i>(From page 8)</i>	
8	Conversion (Pounds of feed fed per pound of gain)	
	<i>(See page 21 for Explanation # 3)</i>	
9	Cost of Gain (cost of feed per pound of gain)	
	<i>(See page 21 for Explanation # 4)</i>	
INCOME		
10	Income - Animal Sold <i>(From page 9 Sec. VIII)</i>	
11	Other Income & Sponsor Income <i>(From page 10 Sec. IX and X)</i>	
12	Estimated Carcass Value (use only if animal was not sold)	
	<i>(See Page 21 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	Fair Deduction Expenses <i>(From page 4 Sec. III)</i>	
17	* Total Non-Feed Expenses <i>(From page 5 Sec. IV)</i>	
18	* Total Feed and Hay Expenses <i>(From page 8)</i>	
19	* TOTAL EXPENSES <i>(Line 14+15+16+17+18)</i>	
SUMMARY		
20	FINAL PROFIT/LOSS <i>(Line 13-19)</i>	
21	* TOTAL ASSETS <i>(From page 3)</i> ONLY SENIORS COMPLETE THIS LINE	

XIV. PICTURES OF YOUR PROJECT * (You should have at least 5 pictures by the Fair Care and Feed 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 pictures and captions should compliment your project essay. Explain what you are doing and why you are doing the things shown in the picture. What skills are you demonstrating and why? **Limit the number of pictures of you just posing with your animal to (2) pictures.** Spelling and grammar are included in the judge's decision.

Do not cover up the directions.

DO NOT ADD ADDITIONAL PAGES

Pictures (continued):

DO NOT ADD ADDITIONAL PAGES

Pictures (continued):

DO NOT ADD ADDITIONAL PAGES

Essay Continued:

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

Please list 3 people or businesses to which you sent Buyers letters to along with their addresses below.

ADDRESS # 1

ADDRESS # 2

ADDRESS # 3

XVI. (Continued) ATTACH A COPY OF YOUR BUYERS LETTER HERE.
***(to be up to date for the Fair Care and Feed Book check in)**

PROJECT TERMS AND EXPLANATIONS

NOTES AND EXAMPLES FOR PROJECT INVENTORY (page 3)

- **Project Year** - Current project year is the current 4-H year or School year.
- **Year acquired** - List the year you purchased/obtained the item.
- **Purchase cost or value** - What did this item cost when you purchased/obtained it? (Fair market value)
- **Depreciation of 10%** - This will be 10% of the original purchase price. $\$7.30 \times .10$ or $(10\%) = .73$
- **Value at Beginning of Current Project Year**- If purchased in current year the value is the purchase price. If purchased in previous year(s), i.e. 2016, there are 4 years from 2016-2019. Depreciate for 3 years to get beginning value for current year $.73 \times 3 = \$2.19$ $\$7.30 - \$2.19 = \$5.11$ Beginning value of current year.
- **Value at the end of the project**- This is the value at the beginning of the project minus the depreciation. Depreciate for one additional year to equal the 4 years mentioned above. $\$5.11 - .73 = \4.38 (Value at end of project)

Examples are done assuming the current year is 2019

Items Description	Year Acquired	Purchase Cost or Value	Depreciation (10% of purchase cost)	Value at beginning of current project year	Value at end of project
Rope	2016	\$7.30	\$.73	Depreciate for 3 years \$5.11	Depreciate for 1 more year \$4.38
Halter	2017	\$19.60	\$1.96	Depreciated for 2 years \$15.68	Depreciate for 1 more year \$13.72
Brush	2018	\$5.85	\$.59	Depreciated for 1 year \$.59	Depreciated for 1 more year \$5.26
Bucket	2019	\$9.10	\$.91	No Depreciation \$9.10	Depreciate for this year \$8.19
Total Depreciation*			\$4.19		
Value of Project Assets					\$31.55

*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)

NOTES

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	Animal Expenses (page 4)	2
III & IV	Fair Deduction Expenses (page 4) Non-Feed Expenses (page 5)	6
V, VI & VII	Feed Expenses, Hay Expenses & Ration Record (pages 6 - 9)	8
VIII, IX & X	Income (Animal Sold), Other Income, & Sponsor Income(pages 9 & 10)	4
XI	Weight Record (page 11)	5
XII	Health Record (page 11)	4
XIII	Project Summary (page 12)	8
XIV	Pictures (pages 13 - 15)	8
XV	Project Essay (pages 16-18)	30
XVI	Addresses and Buyers Letter (pages 19 & 20)	4
	Overall 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 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, July 2019.

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)(2019).