



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 _____ Final Date _____ Initials for fair _____

I, the parent/guardian certify that my child has completed this Care and Feed Book, and I have reviewed it for completeness and accuracy of reporting.

Parent/Guardian Signature _____ Final Date _____ Initials for fair _____

I have reviewed this 4-H Care and Feed Book for completeness and accuracy of reporting.

Organizational Leader Signature _____ Final Date _____ Initials for fair _____

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

4-H Market Livestock book replaces the previously separate 4-H Beef and 4-H Swine Care and Feed books.

Note: The Manatee County Fair requires that a Care and Feed Record Book (this book) is submitted for any project a youth submits a registration for at the Manatee County Fair. Even if the youth doesn't show at the fair or complete the project, they must still submit a Care and Feed Record Book. If you do not turn in a Care and Feed Record Book to the Fair, you may not participate in the next year's Manatee 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. **Do not use ditto marks anywhere in this book.**
- **Your final Care and Feed Book must be hand written by the 4-H'er (Juniors may use pencil or pen (blue or black ink), Intermediates & Seniors must use pen (blue or black ink), 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. If you type your essay or write it on a separate sheet of paper **DO NOT TAPE THE STORY TO THE PAGES, USE HOLE PUNCH AND INSERT THE PAGES. WRITE A NOTE ON THE FIRST PAGE OF THE ESSAY TO "SEE ATTACHED"****
- **Do not submit your Overall Story to the fair with this book. This story should be included in your 4-H Record Book that is submitted to 4-H for judging. For more information, see the "How To of Putting Your 4-H Member Record Book Together".**
 - **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 Plans and Goals (Write answers in complete sentences)

These areas are to be filled in, signed, and dated at the beginning of the project for full points.

What would you like to learn or accomplish this year? (Goals)

Member Signature: _____ Date: _____

What has your leader agreed to help you with this year?

Leader Signature: _____ Date: _____

How will your parent(s)/guardian(s) agreed to help you with this project?

Parent/Guardian Signature: _____ Date: _____

II. PROJECT INVENTORY * (must be completed by Fair Care and Feed Book check in date)

First, list all equipment and assets you had at the beginning of the project. After listing existing inventory, list the items you purchased this year. **List items you will keep past the end of this project on this page only** (inventory examples include clippers, blowers, chutes, tack, feed pans, etc.) **DO NOT** list expendable items such as shampoo, etc. **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 23, for descriptions of each column.

Item Description	Year Acquired	Purchase Cost or Value	Value at beginning of current project year	Depreciation (10% of purchase cost)	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					

III. ANIMAL EXPENSE * (must be completed by Fair Care and Feed Book check in)

If a weight is not given at the time of purchase, estimate weight.

To calculate the *Price per Pound* of an animal divide the cost by the estimated weight.

Example: \$800.00 ÷ 200 lbs. = \$4.00 per pound

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

Total Cost of Animal \$ _____

IV. SALE DEDUCTIONS EXPENSE - (From Add-on's and Sale Checks)

The Manatee River Fair Association 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. These were paid to Manatee River Fair Association. 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 Sale Deduction Expenses		

V. NON-FEED EXPENSES * (must be completed by Fair Care and Feed Book check in date)

List everything that you spent money on that you will **NOT** have at the end of the project or that you may run out of. This should **NOT** include feed or hay unless hay is for bedding. This includes entry fees/Exhibitor fair pass, prospect show entries, veterinary expenses, health papers, bedding, deworming items, hoof trimming, marketing costs (i.e. printing, stamps & envelopes) and other expendable items such as shampoo, baby wipes, adhesive, remover, printing of pictures, ink etc. **List items (such as tools) that can be reused in the future on the Project Inventory page (page 4) only.**

Date	Description	Paid to	Total Cost
Total Non-Feed Expenses			

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

List all feed and supplement expenses on pages 7 & 8. Each feed purchase should be listed separately or monthly. Be sure to always include the feed weight. **STEERS** start recording feed/supplement expenses from the first weigh-in date. This will provide accurate average daily gain information. **SWINE** begin your recording at the purchase of your animal. **All hay expenses are to be recorded on page 9.**

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

VI. FEED EXPENSES –continued * (must be completed by Fair Care and Feed Book check in date)

List all feed and supplement expenses on pages 7 & 8. Each feed purchase should be listed separately or monthly. Be sure to always include the feed weight. **STEERS** start recording feed/ supplement expenses from the first weigh-in date. This will provide accurate average daily gain information. **SWINE** begin your recording at the purchase of your animal. **All hay expenses are to be recorded on page 9.**

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

VII. HAY EXPENSES * (must be completed by Fair Care and Feed Book check in date)

List all hay expenses on this page. Each hay purchase should be listed separately or monthly.
(This is hay that is eaten not used for bedding. Bedding is listed on page 6 under Non-Feed expenses.)

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

Total Pounds of Feed page 7 _____
Total Pounds of Feed page 8 + _____
Total Pounds of Feed = _____

Total Feed Cost page 7 \$ _____
Total Feed Cost page 8 \$ _____
Total Hay Cost page 9 + \$ _____
Total Feed & Hay Cost = \$ _____

VIII. RATION RECORD * (must be completed by Fair Care and Feed Book check in date)

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 the 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

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

Do not subtract the % deducted by the fair here (see pg. 5 sec. III). Whatever the purchase price per pound was, multiplied by the final weight (**up to 290lbs. /swine and 1500lbs. /steers**) is the total. **Your actual sale price will go here. If you have no income from this project, then enter ZERO.**

Check here if you did not sell your project animal, or if you sold it privately outside of the fair.

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

X. OTHER INCOME – ADD-ONS AND SHOW PREMIMUMS

Other project income should be recorded here, such as each add-on, each show premium (**ribbon money**) from fair show(s) or prospect shows, and other money awarded. Keep in mind, every animal exhibited at the county fair receives monetary premiums. All premiums earned for the animal you raised for **THIS PROJECT** should be recorded in this section. **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		

XI. 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	

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

Keep track of your animal’s weight gains. **Be sure to include the animals beginning weight and final weight at Fair check-in.**

- For Swine, beginning weight is taken when you purchase your animal.
- For Steers, beginning weight is taken at the first Fair weigh in.

If you do not have access to scales, use a weight tape.

The total number of days on feed should start the same date as the “beginning weight”, and it should end on the day you check in at the Fair.

* Average Daily Gain can be calculated by taking the pounds gained since the last weighing, divided by the number of days since the 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: (Final weight – beginning weight) divided by total number of days on feed				

XIII. HEALTH & VETERINARY RECORD * (must be completed by Fair Record Book check in date)

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 did not require any health related activities throughout the project, please make a note of it. If no vaccinations were given at weigh in please specify that.**

Date	Description of activity	Product used	Dosage	Withdrawal Time	Milk or Slaughter

XIV. 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. 12, Sec XII</i>)
2		Final Weight (at Fair check in) (<i>From pg. 12, Sec. XII</i>)
3		Total Gain (<i>From page 12, sec. XII</i>)
4	*	Total Number of Days on Feed (<i>From pg. 12, Sec. XII</i>)
5		Final Average Daily Gain (<i>From pg. 12, Sec. XII</i>)
		(<i>See page 23 for Explanation #'s 1 & 2</i>)
FEED		
6	*	Total Pounds of Feed Fed (<i>From page 9, Sec. VII</i>)
7	*	Total Feed & Hay Cost (<i>From page 9, Sec. VII</i>)
8		Conversion (Pounds of feed fed per pound of gain)
		(<i>See page 23 for Explanation # 3</i>)
9		Cost of Gain (cost of feed per pound of gain)
		(<i>See page 23 for Explanation # 4</i>)
INCOME		
10		Income - Animal Sold (<i>From page 10 Sec. IX</i>)
11		Other Income & Sponsor Income (<i>From page 11 Sec. X and XI</i>)
12		Estimated Carcass Value (use only if animal was not sold)
		(<i>See Page 23 for Explanation # 5</i>)
13		TOTAL INCOME (<i>Line 10+11</i>) <i>If animal is sold</i>
		(<i>Line 11+12</i>) <i>If animal was not sold</i>
EXPENSES		
14	*	Total Depreciation (<i>From page 4 Sec. II</i>) ONLY SENIORS COMPLETE THIS LINE
15	*	Animal Expense (<i>From page 5 Sec. III</i>)
16		Sale Deduction Expenses (<i>From page 5 Sec. VI</i>)
17	*	Total Non-Feed Expenses (<i>From page 6 Sec. V</i>)
18	*	Total Feed and Hay Expenses (<i>From page 9, Sec. VII</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 4</i>) ONLY SENIORS COMPLETE THIS LINE

XV. PICTURES OF YOUR PROJECT * (You should have at least half of your pictures by the Fair Care and Feed Book check in date)

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**. Include a caption with each picture. Captions should be in complete sentences. 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. Limit the number of pictures of your project animal(s) without you in the picture demonstrating something to 2.** 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

XVI. PROJECT HIGHLIGHTS

Record major events and accomplishments having to do with your project here. Example: Selecting your project animal(s), going to a prospect show or a fair show...

Date	Project Event or Accomplishment

ESSAY Continued:

XVIII. ADDRESSES AND BUYERS LETTERS *(must be up to date for the Fair Care and Feed Book check in date)

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

NAME & ADDRESS # 1

NAME & ADDRESS # 2

NAME & ADDRESS # 3

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

PROJECT TERMS AND EXPLANATIONS

NOTES AND EXAMPLES FOR PROJECT INVENTORY (page 4)

- **Date Acquired** - List the date (mm/dd/yy) you obtained this item. On items older than one year, list only the year.
- **Purchase Cost or Value** - What did this item cost when you first got it? (If you did not purchase this item and it was given to you, what was its value?)
- **Value at Beginning of Project Year** – If you bought the item this 4-H project year, this number would be the same as the “Purchase Cost or Value”. If you had this item last project year, use the “Value at End of Project” from last year’s record book.
- **Depreciation of 10%** - Each year your items will “depreciate” (lose value) by 10% of the original purchase cost. For new items, estimate 10% depreciation even if you have had the item for less than a year (ex: purchased in November of the 4-H year and it is now January).
- **Value at the End of the Project** - This is the value at the beginning of the project year minus the depreciation.

Examples:

Items Description	Date Acquired	Purchase Cost or Value	Value at beginning of project year	Depreciation (10% of purchase cost)	Value at end of project
Rope	Purchased 4 years ago	\$10.00	(Value at end of last year’s project/had already depreciated 10% for 3 years) \$7.00	(\$10 x 0.10) \$1.00	(\$7 - \$1) \$6.00
Comb	Purchased 3 years ago	\$20.00	(Value at end of last year’s project/had already depreciated 10% for 2 years) \$16.00	(\$20 x 0.10) \$2.00	(\$16 - \$2) \$14.00
Brush	Purchased at the beginning of last year’s project	\$5.60	(Value at end of last year’s project/had already depreciated 10% for 1 year) \$5.04	(\$5.60 x 0.10) \$0.56	(\$5.04 - \$0.56) \$4.48
Bucket	Purchased this project year	\$9.10	(No Previous Depreciation) \$9.10	\$0.91	(\$9.10 - \$0.91) \$8.19
Total Depreciation*				\$4.47	
Value of Project Assets					\$32.67

*Depreciation is an expense

NOTES FOR PROJECT SUMMARY (Page 13)

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
Title page & Summary page	All information completed	5
Properly Tabbed	All required sections of completed 4-H Record Book are tabbed and labeled (i.e., Overall Story, Project book ...)	5
Care & Feed Cover Sheet	All information and signatures (page 1)	5
I	Plans and Goals (Answered in complete sentences, signed and dated at beginning of project) (page 3)	10
II	Project Inventory (page 4)	10
III	Animal Expenses (page 5)	2
IV & V	Sale Deductions Expenses (page 5) Non-Feed Expenses (page 6)	10
VI, VII & VIII	Feed Expenses, Hay Expenses & Ration Record (pages 7-10)	10
IX, X & XI	Income Animal Sold, Other Income & Sponsor Income (pages 10 & 11)	6
XII	Weight Record (page 12)	8
XIII	Health & Veterinary Record (page 12)	6
XIV	Project Summary (page 13)	10
XV	Project Pictures (page 14-16)	10
XVI	Project Highlights (page 17)	6
XVII	Project Essay (page 18-20)	40
XVIII	Addresses and Buyers Letter (pages 21& 22)	6
Overall Story	Overall Story (This story is not found in this book. It is part of the finished 4-H Record Book. See “How To” Guide)	45
	Overall Neatness, Accuracy, Grammar and Spelling	6
	Total Points	200

Ribbon Awards

Blue	90% - 100%
Red	80% – 89%
White	79% - 0%

NOTES



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.

Revised by Alexandra Draper, 4-H Youth Development Extension Agent, University of Florida/IFAS Extension - Manatee County, August 2022.

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.)

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