



# 4-H Beef Breeding Care and Feed Book



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/these animal(s), 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

**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 beef breeding project is:

- To become aware of the scope and economic significance of the beef breeding industry.
- To acquire skills in beef breeding production through ownership and the care of beef breeding animals.
- To learn marketing, processing, distribution, consumption, and use of beef breeding enterprises.
- To learn and practice principles of cleanliness and sanitation as applied to the management and care of beef breeding products.
- 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 Beef Breeding 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 September 1st of the current 4-H year (for ongoing project animals)**.
- Care and Feed books should be completed on the animal(s) relating to your current beef breeding 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, 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 29, 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.
<b>Total Depreciation (Depreciation is an Expense)</b>					
<b>Value at End/Total Assets</b>					

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

List all animals you own at the beginning of the project and add animals you purchased or animals born during the project year. Animals sold should have a \$0 value at end of project on this page and income is recorded under INCOME – ANIMALS SOLD.

**\*\*Beginning \$ Value:** Value of existing animals at beginning of project OR purchase cost of new animals OR value of animals born.

**\*Animals received as a gift should have \$0 beginning value and estimated value at the end.**

**\*\$ Value at End of Project:** Your animal’s value should increase and is an estimated value.

<b>Animal Identification (tag /tattoo)</b>	<b>Breed</b>	<b>Date acquired, born or leased</b>	<b>**Beginning \$ Value</b>	<b>*\$ Value at end of project</b>	<b>Indicate if animal sold, kept, died, etc.</b>
<b>Value at Beginning</b>					
<b>Value at End/Value of Animal Assets</b>					

**III. ANIMAL INFORMATION\* (to be completed on each animal by Fair Care and Feed Book check in)**

**Animal #1                      Heifer                      Cow                      (circle one)**

Name: \_\_\_\_\_ Purchased From: \_\_\_\_\_

Breed: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_

Ear Tag/ Tattoo: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ Registration Number: \_\_\_\_\_

Sire Name: \_\_\_\_\_ Breed: \_\_\_\_\_

Dam Name: \_\_\_\_\_ Breed: \_\_\_\_\_

**Growth and Development Record**

<b>Weigh your beef breeding animal at least once a month. Plot the weight by making a dot at the nearest weight. Write in the weight next to the dot on the graph. Draw a line to connect the dots. This is your beef breeding animal's growth curve. Remember to record the date that you weighed your beef breeding animal in the bottom row of the chart.</b>													
		Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
	2000												
	1500												
	1200												
	1000												
	950												
	900												
	850												
	800												
Pounds	750												
	700												
	650												
	600												
	550												
	500												
	450												
	400												
	350												
		Date Measured											

**Animal #1 Continued**

**Reproduction Record for Heifer or Cow**

Date of Estrus:	
Date Bred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date of Estrus:	
Date Rebred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date of Estrus:	
Date Rebred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date Calved:	Assisted _____ or Non-Assisted _____
Sex of Calf: Circle one: <b>B</b> <b>H</b>	Weight of Calf:
Date Rebred:	

**Picture of Animal #1 for Identification Purposes**

**Animal #2                      Heifer                      Cow                      (circle one)**

Name: \_\_\_\_\_ Purchased From: \_\_\_\_\_

Breed: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_

Ear Tag/ Tattoo: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ Registration Number: \_\_\_\_\_

Sire Name: \_\_\_\_\_ Breed: \_\_\_\_\_

Dam Name: \_\_\_\_\_ Breed: \_\_\_\_\_

**Growth and Development Record**

<b>Weigh your beef breeding animal at least once a month.</b> Plot the weight by making a dot at the nearest weight. Write in the weight next to the dot on the graph. Draw a line to connect the dots. This is your beef breeding animal's growth curve. Remember to record the date that you weighed your beef breeding animal in the bottom row of the chart.													
		Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
	2000												
	1500												
	1200												
	1000												
	950												
	900												
	850												
	800												
Pounds	750												
	700												
	650												
	600												
	550												
	500												
	450												
	400												
	350												
		Date Measured											

**Animal #2 Continued**

**Reproduction Record for Heifer or Cow**

Date of Estrus:	
Date Bred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date of Estrus:	
Date Rebred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date of Estrus:	
Date Rebred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date Calved:	Assisted _____ or Non-Assisted _____
Sex of Calf: Circle one: <b>B</b> <b>H</b>	Weight of Calf:
Date Rebred:	

**Picture of Animal #2 for Identification Purposes**



**Animal #3                      Heifer                      Cow                      (circle one)**

Name: \_\_\_\_\_ Purchased From: \_\_\_\_\_

Breed: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_

Ear Tag/ Tattoo: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ Registration Number: \_\_\_\_\_

Sire Name: \_\_\_\_\_ Breed: \_\_\_\_\_

Dam Name: \_\_\_\_\_ Breed: \_\_\_\_\_

**Growth and Development Record**

<b>Weigh your beef breeding animal at least once a month.</b> Plot the weight by making a dot at the nearest weight. Write in the weight next to the dot on the graph. Draw a line to connect the dots. This is your beef breeding animal's growth curve. Remember to record the date that you weighed your beef breeding animal in the bottom row of the chart.													
		Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
	2000												
	1500												
	1200												
	1000												
	950												
	900												
	850												
	800												
Pounds	750												
	700												
	650												
	600												
	550												
	500												
	450												
	400												
	350												
		Date Measured											

**Animal #3 Continued**

**Reproduction Record for Heifer or Cow**

Date of Estrus:	
Date Bred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date of Estrus:	
Date Rebred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date of Estrus:	
Date Rebred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date Calved:	Assisted _____ or Non-Assisted _____
Sex of Calf: Circle one: <b>B</b> <b>H</b>	Weight of Calf:
Date Rebred:	

**Picture of Animal #3 for Identification Purposes**

**Animal #4                      Heifer                      Cow                      (circle one)**

Name: \_\_\_\_\_ Purchased From: \_\_\_\_\_

Breed: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_

Ear Tag/ Tattoo: \_\_\_\_\_ Date of Birth: \_\_\_\_\_ Registration Number: \_\_\_\_\_

Sire Name: \_\_\_\_\_ Breed: \_\_\_\_\_

Dam Name: \_\_\_\_\_ Breed: \_\_\_\_\_

**Growth and Development Record**

<b>Weigh your beef breeding animal at least once a month. Plot the weight by making a dot at the nearest weight. Write in the weight next to the dot on the graph. Draw a line to connect the dots. This is your beef breeding animal's growth curve. Remember to record the date that you weighed your beef breeding animal in the bottom row of the chart.</b>													
		Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
	2000												
	1500												
	1200												
	1000												
	950												
	900												
	850												
	800												
Pounds	750												
	700												
	650												
	600												
	550												
	500												
	450												
	400												
	350												
		Date Measured											

**Animal #4 Continued**

**Reproduction Record for Heifer or Cow**

Date of Estrus:	
Date Bred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date of Estrus:	
Date Rebred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date of Estrus:	
Date Rebred:	AI _____ or Natural Service _____
Sire Name:	Sire Breed:
Date of Pregnancy check:	Pregnant _____ or Open _____
Date Calved:	Assisted _____ or Non-Assisted _____
Sex of Calf: Circle one: <b>B</b> <b>H</b>	Weight of Calf:
Date Rebred:	

**Picture of Animal #4 for Identification Purposes**

**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 pass, veterinary expenses (health papers), bedding, pure bred registration fees, breeding expenses, semen, pregnancy test fees, deworming items, 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
<b>Total Non-Feed Expenses</b>			

**IV. NON-FEED EXPENSES - Continued \* (to be completed by Fair Care and Feed Book check in)**

Date	Description	Paid to	Total Cost
<b>Total Non-Feed Expenses</b>			

<b>Total Non-Feed Expenses from page 13</b>	\$ _____
<b>Total Non-Feed Expenses from page 14</b>	+ \$ _____
<b>Total Non-Feed Expenses</b>	= \$ _____

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

List all feed and supplement expenses on pages 15 & 16. Each feed purchase including weight should be listed separately or monthly. **All hay expenses are to be recorded on page 17.**

Date	Description	Paid To	Pounds	Total Cost
<b>Page Total – Pounds of Feed</b>				
<b>Page Total – Feed Cost</b>				

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

List all feed and supplement expenses on pages 15 & 16. Each feed purchase including weight should be listed separately or monthly. **All hay expenses are to be recorded on page 16.**

Date	Description	Paid To	Pounds	Total Cost
<b>Page Total – Pounds of Feed</b>				
<b>Page Total – Feed Cost</b>				



**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 or monthly. **If the animal was kept on pasture please indicate this in the Description section.**

Date	Description	Paid To	Quantity	Total Cost
<b>Page Total – Hay Cost</b>				

**Total Pounds of Feed page 15**      \_\_\_\_\_  
**Total Pounds of Feed page 16**    + \_\_\_\_\_  
**Total Pounds of Feed**                = \_\_\_\_\_

**Total Feed Cost page 15**                \$ \_\_\_\_\_  
**Total Feed Cost page 16**                \$ \_\_\_\_\_  
**Total Hay Cost page 17**                + \$ \_\_\_\_\_  
**Total Feed & Hay Cost**                = \$ \_\_\_\_\_

**VII. INCOME - ANIMAL(S) SOLD**

( ) Check here if you did not sell your project animal. **If you have no income from this project, THEN ENTER ZERO.**

Date	Description (Breed, ID# if any)	Purchased by	Weight	Age	Total

**Income from Sale of Animal(s) \$\_\_\_\_\_**

**VIII. 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
<b>Total Sponsor Income</b>	

**IX. OTHER INCOME – SHOW PREMIUMS AND RECEIPTS**

Other project income should be recorded here, such as each show premium (**ribbon money**) or other money earned. Be sure to identify the animal. **If you have no other income from this project, THEN ENTER ZERO.**

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

**X. CALVING RECORD**

List all calves born to your project animal(s). Record the income received from the sale of any calves born. **IF NONE, ENTER ZERO.**

<b>Date Born</b>	<b>Calf Name</b>	<b>Sex</b>	<b>Dam/Reg. #</b>	<b>Sire/Reg. #</b>

**Income from Sale of Calf(s) \$ \_\_\_\_\_**



## XII. PROJECT FINANCIAL SUMMARY

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

If your project ends at the County Fair complete lines with \*. If your project will continue past the County Fair fill in areas with an \* in PENCIL for the fair check in then rewrite in PEN (if you are an Int. or Sr.) before you turn your book in to 4-H for judging.

INCOME		Section Total	Grand Total
1	Income – Animal(s) Sold <i>(From page 18, Sec. VII)</i>		
2	Sponsor Income <i>(From page 18, Sec. VIII)</i>		
3	Other Income – Show Premiums & Receipts <i>(From page 19 Sec. IX)</i>		
4 *	Calving Income <i>(From page 20, Sec. X)</i>		
5	TOTAL INCOME <i>(Add Lines 1 + 2 + 3 + 4 )</i>		
<b>EXPENSES</b>			
6 *	Total Depreciation <i>(From page 3, Sec. I)</i> <b>ONLY SENIORS COMPLETE THIS LINE</b>		
7 *	Total Non-Feed Expenses <i>(From page 14, Sec. IV)</i>		
8 *	Total Feed and Hay Expenses <i>(From page 17)</i>		
9 *	TOTAL EXPENSES <i>(Add Lines 6 + 7 + 8)</i>		
<b>SUMMARY</b>			
11	<b>FINAL PROFIT/LOSS</b> <i>(Subtract Line 9 from Line 5)</i>		
<b>ASSETS</b>			
12 *	Value of Project Assets <i>(From page 3, Sec. I)</i> <b>ONLY SENIORS COMPLETE THIS LINE</b>		
13 *	Value of Animal Assets <i>(From page 4, Sec. II)</i> (animals still owned by exhibitor)		
14	Total Assets <i>(Add Lines 12 + 13)</i> <b>ONLY SENIORS COMPLETE THIS LINE</b>		

**XIII. 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**

**XIV. PROJECT ESSAY \* (to be up to date for the Fair Care and Feed Book check in)**

Your essay may be written or typed (See page 2 for instruction for writing or typing and for the acceptable length of your essay for your age. Your essay should be about your project from beginning to end. Be creative, use examples, use interesting facts or statistics, share your experiences, and build strong images by using descriptive words. **BE SURE TO REVISIT AND FINISH YOUR ESSAY AFTER THE FAIR and include what happened at the fair.** Your grammar, spelling and neatness will be evaluated.

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## 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 \$.526
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

10% depreciation:  $\$7.30 \times .10$  or  $(10\%) = .73$

Value at the beginning of current year if the year is 2019:

From 2016-2019 is 4 years, depreciate for 3 years to get value at beginning of current project year.

$.73 \times 3 = \$2.19$   $\$7.30 - \$2.19 = \$5.11$  (value at beginning of current project year)

$\$5.11 - .73 = \$4.38$  (value at end of project)

## NOTES

## SCORING SYSTEM

### 4-H Beef Breeding Care and Feed Book

Section	Item	Points Possible
Cover	Signatures	3
I & II	Project Inventory & Project Animal Inventory (page 3 & 4)	8
III	Animal Information including Growth & Development and Reproduction (pages 5-12)	5
IV	Non-Feed Expenses( pages13 & 14),	6
V & VI	Feed Expenses (pages 15 & 16) Hay Expenses (page 17)	8
VII ,VIII & IX	Income (Animal/s Sold), Sponsor Income & Other Income (pages 18 & 19)	4
X	Calving Record (page 20)	2
XI	Health & Veterinary Record (page 21)	6
XII	Project Financial Summary (page 22)	10
XIII	Pictures(pages 23-25)	8
XIV	Project Essay(pages 26-28)	30
	Neatness, Accuracy, Grammar, & Spelling	10
	Total Points	100

### Ribbon Awards

<b>Blue</b>	90 - 100	pts.
<b>Red</b>	80 - 89	pts.
<b>White</b>	79 - 0	pts.



This document, **4-H Beef Breeding Care and Feed Record Book**, was compiled by Diana L. Smith, Ph.D., Extension 4-H Coordinator, University of Florida/IFAS Extension - Manatee County, January 2, 2005; updated February 20, 2008, revised August 7, 2012, July 2015, August 2016, July 2019.

**References:** Cahill, C. (July 1998). **4-H Beef Breeding Care and Feed Record Book**. Palmetto, FL: Manatee County 4-H.

Kistler, Mark J. Okeechobee, FL: University of Florida/IFAS Extension – Okeechobee County.

Marshall, Dr. Tim. Gainesville, FL: University of Florida/IFAS Extension.

Author Unknown. (Revised August 1, 2003). **Florida State Fair Youth Livestock Market Record Book**. Tampa, FL: Florida State Fair Authority.

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