Beef Breeding
Care and Feed Book

Check One:	Junior	Intermediate	Senior

NOT FOR 4-H MEMBERS

Name _____ Age (September 1) _____

Club _____

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 Care and Feed Book for completeness and accuracy of reporting.

Organizational Leader Signature _____ Date _____ Initials for fair_____

FOR USE AT THE MANATEE COUNTY FAIR

Purpose

The purpose of a 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.

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 record book may be filled out electronically with the provided PDF format or hand written.

- Record books are required to be completed by the exhibitor only.

- This document must be printed and submitted to fair personnel by the exhibitor at the time of final check-in.

- Your Care and Feed book should start with the **purchase date of your animal or September 1st of the current school 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.

- **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 tear. 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.**

<u>**Complete columns pertaining to your age. (Jr., Int., Sr.)**</u>

<mark>**Please refer to Project Terms and Explanation, page 29, for help with this page**</mark>

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

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.

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

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

Animal #1   **Heifer**   **Cow**   **(select 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

		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											

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.

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** **H**	Weight of Calf:
Date Rebred:	

Picture of Animal #1 for Identification Purposes

Animal #2   **Heifer**   **Cow**   **(select 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

		Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
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.													
	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** **H**	Weight of Calf:
Date Rebred:	

Picture of Animal #2 for Identification Purposes

Animal #3 **Heifer** **Cow** **(select 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

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.

		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** **H**	Weight of Calf:
Date Rebred:	

Picture of Animal #3 for Identification Purposes

Animal #4   **Heifer**   **Cow**   **(select 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

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.

		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** **H**	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
Total Non-Feed Expenses			

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

Date	Description	Paid to	Total Cost
Total Non-Feed Expenses			

Total Non-Feed Expenses from page 13 $_____

Total Non-Feed Expenses from page 14   + $_____

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

Date	Description	Paid To	Quantity	Total Cost
Page Total – Hay Cost				

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, <u>THEN ENTER ZERO.</u>**

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. **<u>IF NONE, ENTER ZERO</u>**.

Sponsor's Name	Total
Total Sponsor Income	

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, <u>THEN ENTER ZERO</u>**.

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

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**.

Date Born	Calf Name	Sex	Dam/Reg. #	Sire/Reg. #

Income from Sale of Calf(s) $_____

XI. HEALTH AND VETERINARY RECORD * (to be up to date by Fair Care and Feed Book check in)

This should include a record of any health related activities (deworming, vaccination, dehorning, tattooing, hoof trimming or use of veterinarian's services for any reason such as health certificate). This should include what you used, how much you used, and what you used it for. **Be sure to identify the animal being treated.** Fill in all applicable information. **If your animal was healthy throughout project, please note but everyone should have a deworming and vaccination entry**.

Date	Animal	Description of activity	Product	Dosage	Withdrawal Time

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 completed book in.

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

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. 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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Essay Continued:

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Essay Continued:

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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 X .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 X 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

10% depreciation: $7.30 X .10or (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 X 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

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

Blue   90 - 100   pts.
Red   80 - 89   pts.
White   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, August, 2022.

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.