



4-H Beef Breeding Care and Feed Record Book



Circle One:	Junior	Intermediate	Senior
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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 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 RECORD BOOK

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 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 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 September 1st of the current 4-H year (for ongoing project animals)**.
- Record 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 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 one 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, blowers, chutes, tack, feed pans, etc.) **DO NOT** list expendable items such as shampoo, etc. **The current year begins with the purchase of your animal or Sept. 1st of the current 4-H year (for ongoing projects). Project ends with either sale/death of animal or when the record book is turned into 4-H for judging.**

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

Please refer to Project Terms and Explanation, page 29, for descriptions of each column.

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. PROJECT ANIMAL INVENTORY * (to be completed by Fair Record 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 or Born	**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 Record 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

Animal #1 _____

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 #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 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** **(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

Animal #2 _____

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											

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 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 (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

Animal #3 _____

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											

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 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 (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

Animal #4 _____

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											

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 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 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 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. **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
Total Non-Feed Cost			

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

List all feed expenses on pages 14 & 15. Each feed purchase including weight should be listed separately. **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				

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

List all feed expenses on pages 14 & 15. Each feed purchase including weight should be listed separately. **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 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 13 under Non-Feed expenses)**

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

Total Pounds of Feed page 14 _____
Total Pounds of Feed page 15 + _____
Total Pounds of Feed = _____

Total Feed Cost page 14 \$ _____
Total Feed Cost page 15 \$ _____
Total Hay Cost page 16 + \$ _____
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
Total Sponsor Income	

IX. OTHER INCOME – SHOW PREMIUMS AND RECEIPTS

Other project income should be recorded here, such as each show premium 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
	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 RECORD * (to be completed by Fair Record Book check in)

This should include a record of any health related activities (deworming, vaccination, dehorning, tattooing 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 # and Description of activity & who administered	Product used	Dosage	If applicable, Withdrawal Time

XII. REMARKS AND INCIDENTS * (to be up to date for the Fair Record Book check in)

Include any important events or incidents that occurred pertaining to and during this project such as selecting your animal, seminars or field trips you attended, shows, fairs, pasture rotation or any other non-health related activity or incident. Be sure to include this type of information in your 4-H project story.

Date	Event, Incident, Type of Activity, etc.

XIII. PROJECT FINANCIAL 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”.

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 17, Sec. VII)</i>		
2	Sponsor Income <i>(From page 17, Sec. VIII)</i>		
3	Other Income – Show Premiums & Receipts <i>(From page 18, Sec. IX)</i>		
4	Calving Income <i>(From page 19, Sec. X)</i>		
*			
5	TOTAL INCOME <i>(Add Lines 1 + 2 + 3 + 4)</i>		
EXPENSES			
6	Total Depreciation <i>(From page 3, Sec. I)</i>		
*	ONLY SENIORS COMPLETE THIS LINE		
7	Total Non-Feed Expenses <i>(From page 13, Sec. IV)</i>		
*			
8	Total Feed Expenses <i>(From page 16)</i>		
*			
9	TOTAL EXPENSES <i>(Add Lines 6 + 7 + 8)</i>		
*			
SUMMARY			
11	FINAL PROFIT/LOSS <i>(Subtract Line 9 from Line 5)</i>		
ASSETS			
12	Value of Project Assets <i>(From page 3, Sec. I)</i> ONLY		
*	SENIORS COMPLETE THIS LINE		
13	Value of Animal Assets <i>(From page 4, Sec. II)</i>		
*	<i>(animals still owned by exhibitor)</i>		
14	Total Assets <i>(Add Lines 12 + 13)</i>		
	ONLY SENIORS COMPLETE THIS LINE		

XIV. PICTURES OF YOUR PROJECT * (You should have at least 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.

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 year.
- **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 obtained it? (Fair market value)
- **Value at Beginning of Project** - Same as the purchase cost of items bought during the current calendar year. On items from previous years this will be the value from last year's ending inventory (the depreciated value of 10% of the 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

SCORING SYSTEM

4-H Beef Breeding Care and Feed Record 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)	10
IV, V & VI	Non-Feed Expenses, Feed Expenses & Management Record (pages 13-16)	8
VII, VIII & IX	Income (Animal/s Sold), Sponsor Income & Other Income (pages 17 & 18)	4
X	Calving Record (page 19)	3
XI & XII	Health & Veterinary Record, Remarks & Incidents (pages 20 & 21)	6
XIII	Project Financial Summary(page 22)	10
XIV	Pictures(pages 23, 24 & 25)	8
XV	Project Story/Essay(pages 26-28)	30
XVI	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 2017.

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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