

# Sarasota County Fair

## Beef Breeding

### Care and Feed Project Book

Exhibitor Name \_\_\_\_\_ Project Year \_\_\_\_\_  
Date of Birth \_\_\_\_\_ Age (at Sept. 1) \_\_\_\_\_ Grade \_\_\_\_\_  
Club / Chapter \_\_\_\_\_  
Years in this project \_\_\_\_\_

**I hereby certify, as the exhibitor of this project, I personally have kept records on this project and have completed this Project Book to the best of my ability.**

Signed \_\_\_\_\_ Date \_\_\_\_\_  
Exhibitor's Signature

**I hereby certify that that my son/daughter has completed this project and Project Book and will comply with all the Rules and Regulations of this Fair.**

Signed \_\_\_\_\_ Date \_\_\_\_\_  
Parent / Guardian Signature

## **Beef Breeding Exhibitor Project Agreement**

**(NOTE: THIS PAGE MUST BE SIGNED AND VERIFIED BY FIRST WEIGH-IN)**

**The youth is responsible for caring for the animal, which will include feeding, deworming, providing fresh clean water, providing a pen, and showing. The youth will use this project as an educational tool to learn skills needed in the livestock industry. This project also will help the youth to accept success and failure as a learning experience. The youth will keep accurate records on their project animal.**

**I accept these responsibilities.**

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**Date**

**Signature of Exhibitor**

**The parents are responsible for providing financial help, if needed, along with assistance and encouragement while the youth is raising this animal.**

**I accept these responsibilities.**

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**Date**

**Signature of Parent/Guardian**

### **Drug Statement**

**I hereby certify that any drug or antibiotic substance which may be administered by me or any other person will be done so in strict compliance with the manufacturer's label requirements.**

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**Date**

**Signature of Exhibitor**

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**Date**

**Signature of Parent/Guardian**

**The above signatures Verified by** \_\_\_\_\_

**4-H Leader/ FFA Advisor**

**Date**

## Purpose

### The purpose of a Beef Breeding project is:

- To become aware of the scope and economic significances of the beef breeding industry
- To acquire skills in beef breeding production through ownership and care of beef breeding animals
- To learn marketing, processing, distribution, consumption, and use of beef breeding enterprises.
- 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.

**It is very important that every section of this Project Book be completed and accurate.**

## General Project Book Guidelines

**It is suggested that a copy of the record book be made for use as a “work copy”. Records can then be transferred into this book for a “Final” copy.**

1. Your Project Book should begin when you purchase your animal or September 1<sup>st</sup>.
2. You may place your Project Book in a folder or plastic sheet protectors. 3-ring binders not recommended.
3. Always double-check your work, especially your match calculations.
4. Have someone check your Project Story for spelling and grammar before you write it in the final Project Book.

## Goals and Achievements For This Project

Choose several goals for your project. Goals should be established at the beginning of your project. They should be challenging, yet attainable. Goals should include all aspects of your project. At the close of the project, the achievements should be compared with your goals. Check off what you plan to do, or write your own in the space provided. Then, have your parent, guardian, advisor, or Leader initial and date the goals you achieve.

What I Plan To Do	Goal	Date Achieved	Initials	Comments
	Raise my animal(s) to completion and exhibit it at the county fair.			
	Exhibit my animal(s) at fairs other than the county fair.			
	Take full responsibility for the fitting and showing of my animal.			
	Learn how to groom and clip my project animal.			
	Complete my records to the best of my ability.			
	Raise offspring using sound production practices.			
	Sell offspring generated in this project.			
	Learn appropriate management practices.			

## Project Terms and Explanations

1. **Project Year:** Based on a calendar year. Current Project Year is the same as the current Fair.
2. **Date Acquired:** List the date you obtained this item. On items older than 1 year, the year will be sufficient.
3. **Purchase Cost or Value:** What did this item cost when you obtained it? (Fair Market Value)
4. **Value at Beginning of Project:** Same as purchase cost for items purchased in the current calendar year. On items from previous years, this should be the value from last year's ending inventory or depreciated value of 10% of purchase cost per calendar year.
5. **Depreciation of 10%:** This will be 10%, per calendar year, of the original purchase cost for the items you still will 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.
6. **Value at the End of the Project:** This is the value at the beginning of the project minus the depreciation

Examples:

<b>Item Description</b>	<b>Date Acquired</b>	<b>Purchase Cost or Value</b>	<b>Value at Beginning of Project</b>	<b>Depreciation (10% of Purchase Cost for this Calendar Year)</b>	<b>Value at End of Project</b>
Rope	Purchased 4 years ago	5.00	(Depreciated 10% for 3 years) 3.50	.50	3.00
Comb	Purchased 3 years ago	5.00	(Depreciated 10% for 2 years) 4.00	.50	3.50
Brush	Purchased previous calendar year	5.00	(Depreciated 10% for 1 year) 4.50	.50	4.00
Bucket	Purchased current calendar year	5.00	(No depreciation – purchased current project year) 5.00	.50	4.50
Total Beginning Inventory	XXXXXXXX	XXXXXX	17.00	XXXXXXXXXXXXXX	XXXXXX
Total Depreciation Expense	XXXXXXXX	XXXXXX	XXXXXXXXXXXXXX	2.00	XXXXXX
Value of Project Assets	XXXXXXXX	XXXXXX	XXXXXXXXXXXXXX	XXXXXXXXXX	15.00



## Notes for Project Animal Inventory

List all animals you own at the beginning of the project and add any animals you purchase or animal(s) born during the project year. Animals sold during the year should be recorded under **OTHER INCOME**. Animals sold should have a \$0 value at end of project for this page.

\***Starting Price or Value:** Value of existing animals at beginning of project OR purchase cost of new animals.

\***Comparison Price:** Current market value for your animal.

\***Value at end of project:** Your animal's value should increase and is an estimated value.

\***\$/cwt.:** price per hundred weight (ie. \$50/100 lbs). This is an agriculture industry term and should be recognized by youth. Many items, including livestock, are still sold by hundred weights.

Initial Animal Inventory										Closing Animal Inventory			
Identification of Animal			Date Acquired			Initial Animal Inventory			Kept		Sold		
Animal Description (Animal No. and/or Name)	Breed	Sex	Birth Date	Raised (Born)	Purchased	Starting Weight	Starting Price or Value	Comparison Price (Market Value)	Value at end of project*	Final Weight	\$/cwt. or Head	Total Price	Comparison Price (Market Value)
#43 - Bessie	Angus	F	12/10	—	8/2011	600 lbs	\$900	\$700	\$1,000				
#44 - Harry	Charolais	M	12/10	12/10	—	50 lbs	\$120	\$120	—	800 lbs	\$118/ 100 lbs	\$944	\$760 (\$95/100 lbs)
									\$1,020	\$1,000		\$944	
									Value of Animals Raised	Value of Animals Kept	Total Income from Animals Sold		

**Note:** These examples can also be applied to rabbit, poultry, and goats. Check with your leader, teacher, or extension agent for starting and ending values and comparison prices.

## Project Animal Inventory

Initial Animal Inventory										Closing Animal Inventory			
Identification of Animal			Date Acquired			Initial Animal Inventory				Closing Animal Inventory			
Animal Description (Animal No. and/or Name)	Breed	Sex	Birth Date	Raised (Born)	Date Purchased	Starting Weight	Starting Price or Value	Comparison Price (Market Value)	Kept Value at end of project*	Final Weight	\$/cwt. or Head	Total Price	Comparison Price (Market Value)
<b>Starting Value of Animals Raised</b>													
<b>Ending Value of Animals Kept</b>													
<b>Total Income from Animals Sold</b>													

\*Note: If you have registered animals, please attach copies of their registration papers at the back of the record book.



## Non-Feed Expenses

List everything you will NOT have at the end of the year that you spend money on that is NOT feed or hat. This includes veterinary expenses, wormers, fly sprays, and other expendable items such as shampoo, hoof polish, grooming supplies, film, developing, hauling, etc.

Date	Quantity	Description	Total Cost
Example	1 bottle	Shampoo	2.50
Example	2 cc	Ivomec wormer shot	2.00
<b>Total Non-Feed Expenses</b>			

For items you will keep past the end of this project, list them only on the Project Inventory table (Page 6). Inventory examples include clippers, steer pens, buildings, and tack.



## Health Record

This should include a record of any health-related activities (deworming, vaccination, medicated feeds, or use of veterinarian’s services for any reason.) This should include what you used, how much you used, and what you used it for. Include any well-animal care such as a health certificate. Fill in all applicable information. If your animal is healthy throughout the project, make a note of that. Use “P” for preventive treatments.

Fill out an Individual Animal Health Record and Treatment Map for each animal receiving treatment and for each health event (make copies as necessary.)

**Note: all health expenses should be listed under Non-Feed Expenses.**

\*ROA: Rout of Administration (SQ, IM, IV, IN, topical, oral)

- SQ - subcutaneous (under the skin)
- IM - intramuscular (into a muscle)
- IV - intravenous (into a vein)
- Topical - (onto the skin)
- Oral - (ingested)

## **Individual Cattle Health Record and Treatment Map**

Fill out a health record and treatment map for each health event by date.

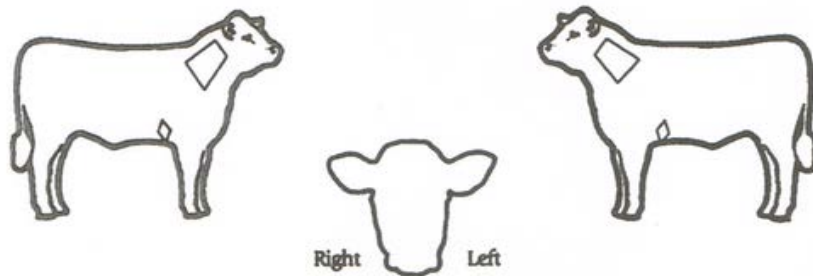
*Whenever possible select SQ\* product and never give injection in the rear leg or top butt.*

Animal Description \_\_\_\_\_ ID/Brand \_\_\_\_\_

Animal Age \_\_\_\_\_ Weight \_\_\_\_\_ Temperature \_\_\_\_\_

Treatment Date \_\_\_\_\_ Administered by (name) \_\_\_\_\_

Indicate site of treatment with the corresponding # from the table.



Site #	Product/ Company	Lot or Serial #	Exp. Date	ROA*	Dose	Booster Date	Withdrawal Date
1.							
2.							
3.							
4.							

Site 1: RT neck

Site 2: RT flank

Site 3: LF neck

Site 4: LF flank

## Health Record

This should include a record of any health-related activities (deworming, vaccination, medicated feeds, or use of veterinarian’s services for any reason.) This should include what you used, how much you used, and what you used it for. Include any well-animal care such as a health certificate. Fill in all applicable information. If your animal is healthy throughout the project, make a note of that. Use “P” for preventive treatments.

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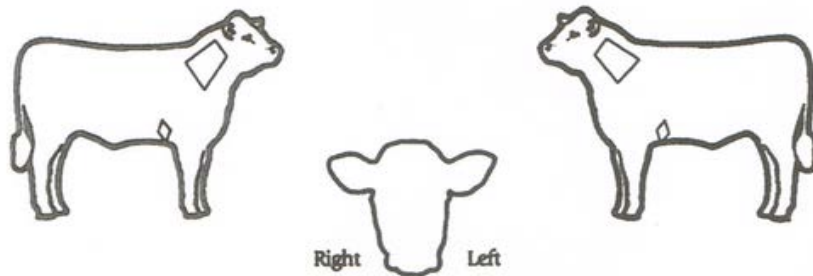
## **Individual Cattle Health Record and Treatment Map**

Fill out a health record and treatment map for each health event by date.

*Whenever possible select SQ\* product and never give injection in the rear leg or top butt.*

Animal Description \_\_\_\_\_ ID/Brand \_\_\_\_\_  
 Animal Age \_\_\_\_\_ Weight \_\_\_\_\_ Temperature \_\_\_\_\_  
 Treatment Date \_\_\_\_\_ Administered by (name) \_\_\_\_\_

Indicate site of treatment with the corresponding # from the table.



Site #	Product/ Company	Lot or Serial #	Exp. Date	ROA*	Dose	Booster Date	Withdrawal Date
5.							
6.							
7.							
8.							

Site 1: RT neck

Site 2: RT flank

Site 3: LF neck

Site 4: LF flank

## Health Record

This should include a record of any health-related activities (deworming, vaccination, medicated feeds, or use of veterinarian’s services for any reason.) This should include what you used, how much you used, and what you used it for. Include any well-animal care such as a health certificate. Fill in all applicable information. If your animal is healthy throughout the project, make a note of that. Use “P” for preventive treatments.

Fill out an Individual Animal Health Record and Treatment Map for each animal receiving treatment and for each health event (make copies as necessary.)

**Note: all health expenses should be listed under Non-Feed Expenses.**

\*ROA: Rout of Administration (SQ, IM, IV, IN, topical, oral)

- SQ - subcutaneous (under the skin)
- IM - intramuscular (into a muscle)
- IV - intravenous (into a vein)
- Topical - (onto the skin)
- Oral - (ingested)

## **Individual Cattle Health Record and Treatment Map**

Fill out a health record and treatment map for each health event by date.

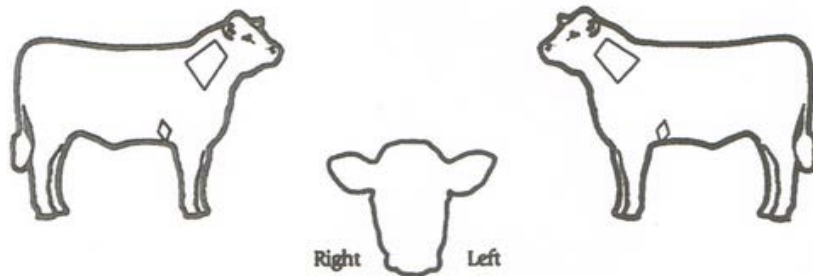
*Whenever possible select SQ\* product and never give injection in the rear leg or top butt.*

Animal Description \_\_\_\_\_ ID/Brand \_\_\_\_\_

Animal Age \_\_\_\_\_ Weight \_\_\_\_\_ Temperature \_\_\_\_\_

Treatment Date \_\_\_\_\_ Administered by (name) \_\_\_\_\_

Indicate site of treatment with the corresponding # from the table.



Site #	Product/ Company	Lot or Serial #	Exp. Date	ROA*	Dose	Booster Date	Withdrawal Date
9.							
10.							
11.							
12.							

Site 1: RT neck

Site 2: RT flank

Site 3: LF neck

Site 4: LF flank

## Breeding/Production Section Special Instructions

If your project animals are old enough to be bred, please fill out the following pages as that apply to your animal.

If your animals are **NOT** old enough to be bred, write a breeding plan for your animal. This could include sire or dam selection, process planned, possible dates, costs, and other items. Use forethought when writing this statement. Judges will be looking to see if you've thought about what to do with your animal from a business standpoint. Include the breeding plan after this page and leave the breeding/production records blank.

### Breeding Record

#### Natural Mating

Female No.	Male No.	Exposure Date	Date Male Turned In	Date Male Removed	Due Date	Date Confirmed By	Comments

#### Artificial Insemination

Female No.	Sire Name	Artificial Insemination Date	Due Date	Date Confirmed By	Additional Information (did it take the first time, when did you preg. check, etc.)

### Production Record

Female No.	Male No.	Date of Delivery	Offspring No.	Sex	Birth Weight	Wean Weight	Sell Weight	Comments

## Breeding Plan

Include your sire selection, are you using natural or AI, who will perform the A.I., how old will your heifer be when bred, and how much it will cost.

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## Beef Bull Project Animals

### Important Statistics

\*Note: Please attach a copy of bull registration papers at the back of the record book.

	<u>Bull ID</u>	<u>Bull ID</u>	<u>Bull ID</u>	<u>Bull ID</u>
Birth Weight (BW)				
Adj. Weaning Weight (WW)				
Adj. Yearling Weight (YW)				
Scrotal Circ. At 1 Year				
Two-Year Weight				
Scrotal Circ. At 2 Years				
Rib Eye Area (REA)				
Intramuscular Fat (IMF)				
Marbling				

## Record of Progeny

Indicate below all known information for your bulls' offspring. Be as complete as possible.

Sire ID	Dam ID	Calf Birth Date	Sex	Calf Birth Weight	Calf 205-Day Weight	Yearling Weight

## Other Income

Other income from your project should be recorded here, such as selling your animal or other money earned. If you have no income from this project prior to the show, then enter zero.

Date	Description	Total
<b>Total Other Income (if none, enter zero)</b>		





## Project Financial Summary

### **Income**

Other Income (From Page 16/17)	_____	(1)
<b>TOTAL PRELIMINARY INCOME</b>	_____	(2)

### **Expenses**

Total Depreciation (From Page 6)	_____	(3)
Total Non-Feed Expenses (From Page 9)	_____	(4)
Total Feed Expenses (From Page 10)	_____	(5)
<b>TOTAL EXPENSES</b> (Lines 3 plus 4 plus 5)	_____	(6)

### **Change In Animal Inventory**

Value at End (From Page 8)	_____	(7)
Value at Beginning (From Page 8)	_____	(8)
<b>NET CHANGE IN ANIMAL INVENTORY</b>		
(Lines 7 minus 8)	_____	(9)

### **Summary**

Preliminary Profit/Loss (Lines 2 minus 6) plus Line 9	_____	(10)
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**Final PROFIT OR LOSS can be figured by adding annual premiums and achievement Money after the fair to Line 10.**

### **Assets**

Value of Project Inventory (From Page 6)	_____	(11)
Value of Animal Inventory (From Page 8)	_____	(12)
<b>Total Assets (Line 11 plus 12)</b>	_____	(13)

## **Visual Story**

Show the beginning and end of your project along with two different skills that you have learned. This should include a minimum of four pictures. You may add up to two pages of additional pictures that will help tell your visual story. The pictures should complement your project story. Include a caption with each photo explaining what you are doing and why you are doing the things shown in the picture. What skills are you demonstrating and why?

Captions may be informational or persuasive in nature. Captions may be typed.

**Visual Story (continued)**

## Demonstrations

Did you give any demonstrations **related** to this project? \_\_\_\_\_ Yes \_\_\_\_\_ No

If yes please list them below.

Date	Title	Description	<u>Level</u> CL: Club CT: County D: District S: State

## Project Story

Develop a persuasive or informational story about your project. Use narrative techniques to make a point. Use examples, interesting facts, and statistics. Remember your experiences, and build strong images by using descriptive words. Be sure to use transition words to connect your ideas (such as: first, second, another, also, however, for instance, finally, for example, in conclusion, etc.) **Mention your demonstration in your story.** Grammar, spelling, and neatness will be noticed by the judges. Your story should be a maximum of two one-sided pages. If you choose to type your story, it should be Times New Roman, 12 point font, 1 inch margins, and double-spaced.

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