

CAMPBELL COUNTY SUPREME COW

Insert 5x7 inch Photo Here

PHASE I or II RECORD BOOK

YEAR _____ HEIFER/COW TAG # _____

NAME _____

AGE _____ YEAR IN PROJECT _____

NAME OF CLUB OR CHAPTER _____

SIGNATURE _____

General Policies
See General Rules and Regulations

Requirements

1. The Supreme Cow Program is open to all 4-H and FFA members in Campbell County.
2. Participants may compete with multiple entries in the Phase I Contest. Participants may compete in Phase II Contest with only one 4-H and one FFA entry. Heifers must be tagged in the appropriate organization as a Phase I heifer in order to compete in the Phase II Contest. There must be a Record Book submitted for each animal/entry.
3. Phase I heifer calves must be owned and tagged by February 1st of the year that they will be shown as a yearling. Heifers must be bangs vaccinated prior a year of age. The bangs tag number and tattoo will be recorded along with the supreme cow I.D. number. Tagging is to be arranged through the Campbell County Fair Board.
4. Phase I heifers may be either commercial or registered. They must be born in the previous calendar year and entered in their respective breeding class at the Campbell County Fair. In the Record Book, current market price (commercial price) will be used.
5. Phase I Record Books may start on October 1st, weaning date, or at date of ownership, but no later than February 1st. The Record Book period will end at the time of the contest.
6. Phase II Record Books will run from the end of the Phase I contest to the end of the Phase II contest. If the cow is not bred at the beginning of Phase II, the contestant will still be allowed to complete the project, as long as the cow has a calf by her side. At this time, the contestant has successfully completed both phases of the contest.
7. If for any reason a Phase I or Phase II is unable to complete the project (not pregnant, death, or injury) the youth will still be allowed to complete the project and compete in the record book and interview part of the contest.

Contest

8. A panel of three people involved in the beef cattle industry will serve as judges for the contest.
9. A veterinarian will be provided to administer an ultrasound pregnancy test on all Phase I and Phase II entries. A viable fetus must be present in Phase I to complete the project. Participants may opt to have their heifers or cows pregnancy tested prior to this date. If this is done, exhibitors must turn in a signed statement and picture of the pregnancy from the veterinarian to verify pregnancy. An option of a blood test pregnancy test will be available. If an exhibitor does not want an ultrasound pregnancy test or if the heifer or cow does not show pregnant on the day of the contest, this option will be made available. If this blood test is to be chosen, it must be done and verified by a vet and returned prior to the announcement of award winners.
10. If determined open, Phase I heifers will not be eligible to compete in the contest. Phase II cows will not be disqualified if they do not show a viable fetus on day of contest, as long as they have a calf by their side.
11. Phase I heifers will be shown at halter. Heifers may be clipped and washed but otherwise not fitted.
12. Phase II Cow/Calf Pairs will be shown in pens. Cows must be shown in pasture condition. They can be washed, but otherwise not fitted.
13. After weighing and the judges' visual evaluation, the exhibitors will be given time, and can receive assistance if necessary, to complete their Record Books. Interviews will then follow immediately. Interview order will be generated by a random draw. Interview questions may include such topics as feeding program, management practices, sire selection, and goals.

Phase I Scoring:

Visual Appraisal	60 pts
Interview	20 pts
Record Books	20 pts
Total score possible for Phase I	100 pts

Phase II Scoring:

Cow/Calf Score Visual Appraisal	30 pts
Interview	20 pts
Record Books	20 pts
Cow/Calf Weight Ratio of Percentage of Efficiency	30 pts
Total score possible for Phase II	100 pts

Calculation of Cow/Calf Weight Ratio of Percentage of Efficiency to be adjusted as follows: Cows that DO NOT show a viable fetus will be given a 10% deduction. Using the cow's current weight and the calf's 205 day adjusted weight, heifer calves will be given an additional 5% and bull calves will be given a 5 % deduction for sex difference.

14. Loss of a calf in the Phase II Cow/Calf section will constitute disqualification. Grafting a calf, although economically feasible cannot be considered for the purpose of Supreme Cow Contest.

Awards

15. During the Beef Show at the Campbell County Fair, all Phase I and Phase II exhibitors will be called to the show ring and awards will be presented.
16. Combined Record Book and Interview scores will have their own awards and prizes.
17. Prize money and awards will be given as the only awards for the Supreme Cow Contest. No premiums will be given.

HELPFUL HINTS

Adjusted Weight

Weight of calf minus birth weight, divided by days of age = Average Daily Gain, multiply by 205, plus birth weight = adjusted weight.

Example:

Weight of calf	400
Minus Birth Weight	<u>-90</u>
= Weight Gained	310
Divided by Days of age	÷ <u>131</u>
= Average Daily Gain	2.37
Multiply by 205	x <u>205</u>
	485.1
Add Birth Weight	<u>+90</u>
= Adjusted 205 Day Weight	575.1

Example of efficiency:

Adjusted 205 weight	575.1
Divided by Cow Weight	÷ <u>1200</u>
Multiply by 100	x <u>100</u>
= Percentage of Efficiency	47.92

(Cows that DO NOT show a viable fetus will be given a 10% deduction. Using the cow's current weight and the calf's 205 day adjusted weight, heifer calves will be given an additional 5% and bull calves will be given a 5% deduction for sex difference.)

Pelvic Measurements

Pelvic measurements are usually taken by a veterinarian when the heifer is 12 months old or shortly after. The measurements are done in centimeters, height times width. Example: 15 centimeters high X 12 centimeters wide = 180 square centimeters. Adjustment for age can be made by subtracting 1/4 of a square centimeter for every day over one year old.

Example: If you had measured that heifer at 1 year and 30 days, she would have an adjusted measurement of 172 1/2 square centimeters.

Other Helpful Hints

- < If registered, please enclose copy.
- < Specify how you arrive at starting and ending cattle value. Don't just give an amount.
- < Include where you run livestock, a story behind your situation (conditions of land, what agreement, size)
- < More detail explanation of activities you did with your cattle.
- < Explain unusual items, such as low or high feed costs, management plans.
- < Phase I book must be included in Phase II book.

Frame Score Chart

Age in Months	Female 5 to 30 Months of Age Inches Required for Frame					
	4	5	6	7	8	9
5	39.3	41.3	43.4	45.5	47.5	49.6
6	40.3	42.3	44.4	46.5	48.5	50.6
7	41.2	43.3	45.3	47.4	49.4	51.5
8	42.1	44.1	46.2	48.2	50.2	52.3
9	42.9	44.9	47.0	49.0	51.0	53.0
10	43.7	45.7	47.7	49.7	51.7	53.8
11	44.3	46.4	48.4	50.4	52.4	54.4
12	45.0	47.0	49.0	51.0	53.0	55.0
13	45.5	47.5	49.5	51.5	53.5	55.5
14	46.1	48.0	50.0	52.0	54.0	56.0
15	46.5	48.5	50.4	52.4	54.4	56.4
16	46.9	48.9	50.8	52.8	54.8	56.7
17	47.2	49.2	51.1	53.1	55.1	57.0
18	47.5	49.5	51.4	53.4	55.3	57.2
19	47.7	49.7	51.6	53.6	55.5	57.4
20	47.9	49.8	51.8	53.7	55.6	57.6
21	48.0	50.0	51.9	53.8	55.7	57.6
24	48.8	50.7	52.5	54.5	56.4	58.2
30	49.4	51.3	53.1	55.1	57.0	58.9

Adjusted 205 Day Weight and Percet Efficiency Worksheet - Youth (Black) Example

Birth Date	<u>2/7/2016</u>	Calf's Birth Weight	<u>77</u>
Today's Date	<u>7/30/2016</u>	Calf's Weight Today	<u>482</u>
# of Days Old	<u>174</u>	Cow's Weight Today	<u>1224</u>

Adjusted 205 Weight Calculation

1. Weight of Calf			<input type="text" value="482"/>
2. Minus Birth Weight			
Results of from 1 above			<input type="text" value="482"/>
Less birth weight of calf	-		<input type="text" value="77"/>
Equal calfs weight gained	=		<input type="text" value="405"/>
3. Divided by Days of Age			
Results of from 2 above			<input type="text" value="405"/>
Divided by # of days old	/		<input type="text" value="174"/>
Equal average daily gain	=		<input type="text" value="2.33"/>
4. Multiply by 205			
Results of from 3 above			<input type="text" value="2.33"/>
Multiply by 205	x		<input type="text" value="205"/>
Gain at 205 days	=		<input type="text" value="477.16"/>
5. Add back Birth Weight			
Results of from 4 above			<input type="text" value="477.16"/>
Birth Weight	+		<input type="text" value="77"/>
Adjusted 205 weight	=		<input type="text" value="554.16"/>

Efficiency Percentage Calculation

A. Adjusted 205 weight of the calf			<input type="text" value="554.16"/>
B. Divided by today's weight of the cow			
Results of from A above			<input type="text" value="554.16"/>
Divided by Weight of Cow	/		<input type="text" value="1224"/>
	=		<input type="text" value="0.45"/>
C. Multiply by 100			
Results of from B above			<input type="text" value="0.45"/>
Multiply by 100	x		<input type="text" value="100"/>
Percent Efficiency	=		<input type="text" value="45.27"/>

What is sex of calf?	<u>Heifer</u>	<u>Steer</u>	<u>Bull</u>
Result from C above	2.26		-2.26
Adjustment	5%	None	-5%
Adjusted Efficiency	<input type="text" value="47.54"/>		<input type="text" value="43.01"/>

PHASE ONE HEIFER PERFORMANCE RECORD

Supreme Cow ID # _____ Bangs tag and Tattoo # 's: _____
Breed: _____ Registered or Commercial: _____
Color: _____ Horned or Polled: _____
Birth Weight (if known): _____ Weaning Weight (if known): _____
Days old at weaning: _____ Adjusted 205 day weaning weight: _____
Yearling Weight: _____ Weight at Breeding: _____
Adjusted Yearling Pelvic: _____ Adjusted Yearling Frame Score: _____
Weight at Fair: _____ Campbell County Born and Raised? _____
If registered include Breed E.P.D.'s: _____

BEGINNING INVENTORY

Date Project Started: Phase I - Date Heifer was Acquired _____

Birthdate if different _____ Registered or Commercial (circle)

Value of Animal when acquired: (select one of the following)

- 1) Registered (Seed Stock) market value \$ _____
- 2) Commercial (price per lb. _____ x heifer weight _____) \$ _____

GOALS

Describe your goals for this project.

FINANCIAL AGREEMENT

Entering into a livestock enterprise requires a sizeable financial investment. If applicable, what type of financial agreement do you have with your parents, other family members, financial institutions or by what other means did you finance this project (ie. sale of other livestock, savings, employment or fundraisers)?

How much money did you borrow? _____ Interest rate? _____

How much interest will you pay? _____

How do you plan to pay back the money that you borrowed? _____

EQUIPMENT

Item	Income	Expense

Total Value of Equipment at the beginning & end of project \$ _____ & \$ _____

EXPENSE RECORD

Record on this page all expenses for your project from the time your project started to present.
List cost of the items for each month.

Month	Hay	Pasture	Grain/ Supplements	Veterinary	Other (include Breeding)
September					
October					
November					
December					
January					
February					
March					
April					
May					
June					
July					
August					
<u>TOTALS</u>					

TOTAL OF ALL EXPENSES \$ _____

ANIMAL HEALTH RECORD

Please list all vaccines, medicines, vitamins and insecticides used and dates given as well as any veterinary work completed. Remember to add in the Expense Record Section.

Date	Treatment Received	Product Used	Explanation

BREEDING RECORD

Dates that you turned your cow with bull and/or inseminated: _____

Date pregnancy tested: _____ Was cow open or pregnant: _____

If open, what do you feel was the reason? _____

Breed of Bull : _____

Bull Bred to, if available include his E.P.D.'s or performance data: _____

JOURNAL OF ACTIVITIES AND EDUCATIONAL CLASSES ATTENDED

Include Dates & Description of what you did & learned.

1. What did you look for when selecting your heifer?
2. Did you feed a supplement (grain, cake, or other)? Please explain your decision to feed or not feed a supplement.
3. What criteria did you use for your bull selection? (specific characteristics, genetics, etc)
4. Summarize what you have learned from this project and what are your future goals?
5. In your opinion, what is the most important issue impacting the beef industry today?

ENDING INVENTORY

Value of Cow at end of project: (complete one of the following)*

- 1) Registered (Seed Stock) market value \$ _____
- 2) Commercial (price per lb. _____ x heifer weight _____) \$ _____

FINANCIAL SUMMARY

Before starting this section, see that all blanks on preceding pages that apply to your project are completely filled out and totaled. Fill in the following financial summary completely.

RECEIPTS

1. Value of livestock on hand* \$ _____
2. Total value of equipment on hand at the end of project year \$ _____
3. Total value of equipment sold \$ _____

Total Receipts (add above). \$ _____

EXPENSES

2. Value of livestock at beginning of the project. \$ _____
3. Total feed, breeding, veterinary & other expenses. \$ _____

Total Expenses (add above). \$ _____

NET GAIN OR LOSS

5. Net Gain or Loss* (Expenses from Receipts). \$ _____

This record book should be completed in its entirety prior to the Supreme Cow Contest, with the exception of the tabulation of question 2 of Ending Inventory and final tabulation of the Financial Summary.

PHOTOGRAPHS AND CLIPPINGS

This page may be used for photographs or clippings related to your project.

CALF PERFORMANCE RECORD

Calf I.D. _____ Sex of Calf _____

Date Born _____ Birth Weight _____

Registered or Commercial: _____ Horned or Polled _____

Was there any calving difficulties? Example: Unassisted, easy pull, or hard pull Explain: _____

List the vaccinations given to calf at birth: _____

List the vaccinations given to calf at branding: _____

Age of calf at time of evaluation (in days) _____

Adjusted 205 weight – show calculations _____

COW/CALF RECORDS

Weight at time of evaluation*: Cow _____ Calf _____

% Efficiency*- Show Calculations _____

(Cows that DO NOT show a viable fetus will be given a 10% deduction. Using the cow's current weight and the calf's 205 day adjusted weight, heifer calves will be given an additional 5% and bull calves will be given a 5 % deduction for sex difference.)

** Section to be completed day of Supreme Cow Contest**

What is the cow bred to next year and when is the expected birthing date? _____

ENDING INVENTORY

Value of Cow at end of project: (complete one of the following)*

- 1) Registered (Seed Stock) market value \$ _____
- 2) Commercial (price per lb. _____ x heifer weight _____) \$ _____

Value of Calf at end of project: (complete one of the following)*

- 1) Registered (Seed Stock) market value \$ _____
- 2) Commercial (price per lb. _____ x heifer weight _____) \$ _____

FINANCIAL SUMMARY

Before starting this section, see that all blanks on preceding pages that apply to your project are completely filled out and totaled. Fill in the following financial summary completely.

RECEIPTS

1. Value of livestock on hand* \$ _____
2. Total value of equipment on hand at the end of project year \$ _____
3. Total value of equipment sold \$ _____

Total Receipts (add above). \$ _____

EXPENSES

2. Value of livestock at beginning of the project. \$ _____
3. Total feed, breeding, veterinary & other expenses. \$ _____

Total Expenses (add above). \$ _____

NET GAIN OR LOSS

5. Net Gain or Loss* (Expenses from Receipts). \$ _____

This record book should be completed in its entirety prior to the Supreme Cow Contest, with the exception of the tabulation of Cow/Calf Record, question 2 of Ending Inventory for both cow and calf, and final tabulation of the Financial Summary.