

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

**Efficiency Percentage Calculation**

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

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%
<b>Adjusted Efficiency</b>	<b><u>47.54</u></b>		<b><u>43.01</u></b>

## 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**

<b>Item</b>	<b>Income</b>	<b>Expense</b>

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.

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

**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.