

# CLEMSON

## EXTENSION

Department of Applied Economics and Statistics

Phone: 864-656-3475



### COASTAL PLAIN COW-CALF OPERATION WITH COW ON BERMUDAGRASS HAY AND COTTON SEED

ESTIMATED COSTS AND RETURNS PER HEAD, 2008/2009

HERD SIZE (COWS)	30.00	SPRING CALF CROP:	90.0%
NUMBER OF STEERS SOLD:	13.00	CULL COWS:	20.0%
NUMBER OF HEIFERS SOLD:	7.00	ACRES IN FORAGE:	60.00
NUMBER OF CULLS SOLD:	6.00	ACRES IN HAY:	10.00
STEER SELLING WEIGHT (LBS):	450.00	CULL COW WEIGHT (LBS):	1000.00
HEIFER WEIGHT DISCOUNT (LBS):	35.00	DAYS ON HAY & SUPPL.:	80.00
LBS. OF COTTON SEED COW/DAY:	4.50	LBS. OF HAY COW/DAY:	25.00
HEIFERS SOLD PER COW:	23.3%	STEERS SOLD PER COW:	43.3%
EXCESS HAY SOLD ON HERD (TON):	20.00	AVAILABLE FARMLAND:	70 ACRES

	UNIT	QUANT.	PRICE OR COST/UNIT	TOTAL PER COW	TOTAL FOR HERD	YOUR FARM
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#### 1. GROSS RECEIPTS

STEER CALF (46.7%)	LBS	450.00	\$1.05	\$204.75	\$6,142.50	_____
HEIFER CALF (33.3%)	LBS	415.00	\$1.00	\$96.83	\$2,904.90	_____
CULL COWS	LBS	1000.00	\$0.45	\$90.00	\$2,700.00	_____
EXCESS HAY SOLD	TON	0.667	\$100.00	\$66.70	\$2,001.00	_____

TOTAL RECEIPTS: **\$458.28** **\$13,748.40** \_\_\_\_\_

#### 2. VARIABLE COSTS

FEED						
BERMUDAGRASS (PASTURE)	ACRE	2.00	\$146.44	\$292.88	\$8,786.40	_____
RYEGRASS OVERSEEDED	ACRE	0.00	\$0.00	\$0.00	\$0.00	_____
BERMUDAGRASS HAY	TON	2.00	\$24.34	\$48.68	\$1,460.40	_____
EXCESS BERMUDAGR. HAY	TON	20.00	\$0.81	\$16.23	\$486.90	_____
HAY (PURCHASE)	TON	0.00	\$100.00	\$0.00	\$0.00	_____
COTTON SEED	CWT	3.60	\$6.00	\$21.60	\$648.00	_____
SALT & MINERALS	HEAD	1.00	\$8.40	\$8.40	\$252.00	_____
VET. & MEDICATION	HEAD	1.00	\$12.00	\$12.00	\$360.00	_____
MISCELLANEOUS	HEAD	0.00	\$0.00	\$0.00	\$0.00	_____
FACILITIES & EQUIPMENT	HEAD	1.00	\$8.15	\$8.15	\$244.50	_____
LABOR PER COW	HRS	0.00	\$8.00	\$0.00	\$0.00	_____
INTEREST ON OP. CAP.	DOL.	\$203.97	9.0%	\$18.36	\$550.80	_____
MARKETING						
SALES COMMISSION	HEAD	26.00	\$10.00	\$8.67	\$260.00	_____
SHRINK ON CALVES	DOL.	\$301.58	3.0%	\$9.05	\$271.50	_____

TOTAL VARIABLE COSTS: **\$444.02** **\$13,320.50** \_\_\_\_\_

#### 3. INCOME ABOVE VARIABLE COSTS:

**\$14.26** **\$427.90** \_\_\_\_\_

#### 4. FIXED COSTS

COW OPERATION	HEAD	1.00	\$174.73	\$174.73	\$5,241.90	_____
FORAGE DEPR & EST COST	ACRE	2.00	\$41.57	\$83.14	\$2,494.20	_____

TOTAL FIXED COSTS: **\$257.87** **\$7,736.10** \_\_\_\_\_

#### 5. OTHER COSTS

LAND RENT	ACRE	70.00	\$25.00	\$58.33	\$1,750.00	_____
ADDITIONAL LAND	ACRE	0.00	\$15.00	\$0.00	\$0.00	_____
GENERAL OVERHEAD	DOL.	\$444.02	9.0%	\$39.96	\$1,198.80	_____

TOTAL OTHER COSTS: **\$98.29** **\$2,948.80** \_\_\_\_\_

#### 6. TOTAL COSTS:

**\$800.18** **\$24,005.40** \_\_\_\_\_

#### 7. NET RETURNS TO RISK AND MANAGEMENT:

**-\$341.90** **-\$10,257.00** \_\_\_\_\_

	BREAK-EVEN WEIGHT (LBS)		BREAK-EVEN PRICE (\$/LBS)	
	Per Steer	Per Heifer	Per Steer	Per Heifer
VARIABLE COSTS	423	388	\$0.94	\$0.90
TOTAL COSTS	966	931	\$2.00	\$1.90

\* PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

\*\* ALL THE LABOR WILL BE PROVIDED BY THE FARM OPERATOR.

\*\*\* 6 HEIFERS WILL BE REPLACED EACH YEAR.

COASTAL PLAIN COW-CALF OPERATION WITH COW ON BERMUDAGRASS HAY AND COTTON SEED									
ESTIMATED COW-CALF OPERATION, FACILITIES, EQUIPMENT AND MACHINERY INPUTS FOR:								30	COWS
LIFE (YRS)	FACILITIES & EQUIPMENT	UNIT VALUE	#	NEW INVEST.	REPAIR	DEPR.	INTEREST	INSURANCE	
15	CORRAL / WORKING ALLEY	2800.00	1	2800.00	42.00	186.67	126.00	21.00	
10	MISC. EQUIPMENT	1500.00	1	1500.00	22.50	150.00	67.50	11.25	
15	FENCING	200.00	60	12000.00	180.00	800.00	540.00	90.00	
TOTAL PER HEAD				543.33	8.15	37.89	24.45	4.08	
LIFE (YRS)	COW-CALF OPERATION	UNIT VALUE	#	NEW INVEST.	SALVAGE VALUE	DEPR.	INTEREST	INSURANCE	
6	BROOD COWS	700.00	30	21000.00	14700.00	1,050.00	1606.50	0.00	
2	BULLS	1200.00	1	1200.00	840.00	180.00	91.80	0.00	
0	REPL. HEIFERS	700.00	6	4200.00	2940.00	0.00	321.30	0.00	
TOTAL PER HEAD				880.00		41.00	67.32	0.00	

INCOME ABOVE VARIABLE COSTS FOR DIFFERENT STEER WEIGHTS AND PRICES						
CALF SALE WEIGHT	----- STEER SALE PRICE (\$/LBS) -----					
	\$0.89	\$0.97	\$1.05	\$1.13	\$1.21	
400	-\$46.01	-\$32.57	-\$19.11	-\$5.66		\$7.78
425	-\$31.01	-\$16.71	-\$2.42	\$11.88		\$26.16
450	-\$16.00	-\$0.87	\$14.26	\$29.39		\$44.53
475	-\$0.99	\$14.99	\$30.96	\$46.93		\$62.91
500	\$14.03	\$30.84	\$47.66	\$64.47		\$81.28

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