

CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

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

ESTIMATED COSTS AND RETURNS PER HEAD			
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
--	------	--------	--------------------	---------------	----------------	-----------

1. GROSS RECEIPTS

STEER CALF (46.7%)	LBS	450.00	\$1.75	\$341.25	\$10,237.50	
HEIFER CALF (33.3%)	LBS	415.00	\$1.59	\$153.96	\$4,618.80	
CULL COWS	LBS	1000.00	\$0.90	\$180.00	\$5,400.00	
EXCESS HAY SOLD	TON	0.667	\$120.00	\$80.04	\$2,401.20	
TOTAL RECEIPTS:				\$755.25	\$22,657.50	\$0.00

2. VARIABLE COSTS

FEED						
BERMUDAGRASS (PASTURE)	ACRE	2.00	\$151.64	\$303.28	\$9,098.40	
RYEGRASS OVERSEEDED	ACRE	1.00	\$0.00	\$0.00	\$0.00	
BERMUDAGRASS HAY	TON	2.00	\$23.09	\$46.18	\$1,385.40	
EXCESS BERMUDAGR. HAY	TON	20.00	\$0.77	\$15.39	\$461.70	
HAY (PURCHASE)	TON	0.00	\$120.00	\$0.00	\$0.00	
COTTON SEED	CWT	3.60	\$6.00	\$21.60	\$648.00	
SALT & MINERALS	HEAD	1.00	\$9.00	\$9.00	\$270.00	
VET. & MEDICATION	HEAD	1.00	\$15.00	\$15.00	\$450.00	
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.	\$209.30	5.0%	\$10.47	\$314.10	
MARKETING						
SALES COMMISSION	HEAD	26.00	\$10.00	\$8.67	\$260.00	
SHRINK ON CALVES	DOL.	\$495.21	3.0%	\$14.86	\$445.80	
TOTAL VARIABLE COSTS:				\$452.60	\$13,577.90	\$0.00

3. INCOME ABOVE VARIABLE COSTS:

\$302.65 \$9,079.60 \$0.00

4. FIXED COSTS

COW OPERATION	HEAD	1.00	\$149.81	\$149.81	\$4,494.30	
FORAGE DEPR & EST COST	ACRE	2.00	\$50.95	\$101.90	\$3,057.00	
TOTAL FIXED COSTS:				\$251.71	\$7,551.30	\$0.00

5. OTHER COSTS

LAND RENT	ACRE	70.00	\$40.00	\$93.33	\$2,800.00	
ADDITIONAL LAND	ACRE	0.00	\$40.00	\$0.00	\$0.00	
GENERAL OVERHEAD	DOL.	\$452.60	7.0%	\$31.68	\$950.40	
TOTAL OTHER COSTS:				\$125.01	\$3,750.40	\$0.00

6. TOTAL COSTS:

\$829.32 \$24,879.60 \$0.00

7. NET RETURNS TO RISK AND MANAGEMENT:

-\$74.07 -\$2,222.10 \$0.00

	<u>BREAK-EVEN WEIGHT (LBS)</u>		<u>BREAK-EVEN PRICE (\$/LBS)</u>	
	<u>Per Steer</u>	<u>Per Heifer</u>	<u>Per Steer</u>	<u>Per Heifer</u>
VARIABLE COSTS	175	140	\$0.37	\$0.34
TOTAL COSTS	522	487	\$1.09	\$0.99

* 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 1.5%	DEPR.	INTEREST	INSURANCE 1.5%
15	CORRAL / WORKING ALLEY	2800.00	1	2800.00	42.00	186.67	70.00	21.00
10	MISC. EQUIPMENT	1500.00	1	1500.00	22.50	150.00	37.50	11.25
15	FENCING	200.00	60	12000.00	180.00	800.00	300.00	90.00
TOTAL PER HEAD				543.33	8.15	37.89	13.58	4.08

LIFE (YRS)	COW-CALF OPERATION	UNIT VALUE	#	NEW INVEST.	SALVAGE 60%	DEPR.	INTEREST	INSURANCE 0.5%
6	BROOD COWS	700.00	30	21000.00	12600.00	1,400.00	840.00	105.00
2	BULLS	1200.00	1	1200.00	720.00	240.00	48.00	6.00
0	REPL. HEIFERS	700.00	6	4200.00	2520.00	0.00	168.00	21.00
TOTAL PER HEAD				880.00		54.67	35.20	4.40

INCOME ABOVE VARIABLE COSTS FOR DIFFERENT STEER WEIGHTS AND PRICES						
CALF SALE WEIGHT	STEER SALE PRICE (\$/LBS)					
	\$1.59	\$1.67	\$1.75	\$1.83	\$1.91	
400	\$220.99	\$234.43	\$247.89	\$261.34	\$274.79	
425	\$246.69	\$260.99	\$275.28	\$289.57	\$303.87	
450	\$272.39	\$287.52	\$302.65	\$317.79	\$332.92	
475	\$298.10	\$314.07	\$330.05	\$346.02	\$361.99	
500	\$323.81	\$340.63	\$357.44	\$374.25	\$391.07	

THE CLEMSON UNIVERSITY COOPERATIVE EXTENSION SERVICE OFFERS ITS PROGRAMS TO PEOPLE OF ALL AGES, REGARDLESS OF RACE, COLOR, SEX, RELIGION, NATIONAL ORIGIN, OR HANDICAP AND IS AN EQUAL OPPORTUNITY EMPLOYER.
COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS—STATE OF SOUTH CAROLINA, CLEMSON UNIVERSITY, U.S. DEPARTMENT OF AGRICULTURE, AND SOUTH CAROLINA COUNTIES COOPERATING.