

# CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

## WINTERING LIGHTWEIGHT STEERS ON SMALL GRAIN PASTURE, CORN AND HAY

### ESTIMATED COSTS AND RETURNS PER HEAD (DEC-APRIL)

BEGINNING WEIGHT (LBS):	450.00	NUMBER OF DAYS:	150 DAYS
ENDING WEIGHT (LBS):	787.50	AVG. DAILY GAIN:	2.25 LBS
ENDING WEIGHT W/ SHRINKAGE (LBS):	763.88	DEATH LOSS:	3.00 %

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER HEAD	YOUR FARM
--	------	----------	--------------------	----------------	-----------

#### 1. GROSS RECEIPTS

STEER	LBS	787.50	\$1.40	\$1,102.50	_____
TOTAL RECEIPTS:				<b>\$1,102.50</b>	<b>\$0.00</b>

#### 2. VARIABLE COSTS

STEER CALF PROCUREMENT	LBS	450.00	\$1.70	\$765.00	_____
ORDER BUYING HAULING	CWT	4.50	\$0.50	\$2.25	_____
	MILE	70.00	\$8.00	\$6.02	_____
TOTAL CALF-PURCHASE COSTS:				<b>\$773.27</b>	<b>\$0.00</b>

FEED					
SMALL GRAIN PASTURE	ACRE	0.67	\$92.61	\$62.05	_____
HAY 11.5 LBS/DAY; 108 DAYS	TON	0.62	\$100.00	\$62.00	_____
CORN 3.5 LBS; 108 DAYS	BU	7.00	\$4.50	\$31.50	_____
SALT & MINERALS	HEAD	1.00	\$5.60	\$5.60	_____
VETERINARY & MEDICATION	HEAD	1.00	\$12.00	\$12.00	_____
GROWTH PROMOTANT	HEAD	1.00	\$3.00	\$3.00	_____
FACILITIES & EQUIPMENT	HEAD	1.00	\$3.08	\$3.08	_____
MACHINERY	HEAD	1.00	\$2.56	\$2.56	_____
LABOR	HRS	4.00	\$8.00	\$32.00	_____
INTEREST ON OP. CAP. MARKETING	DOL.	\$493.53	5.0%	\$24.68	_____
SALES COMMISSION SHRINK	HEAD	1.00	\$10.00	\$10.00	_____
	DOL.	\$1,102.50	3.0%	\$33.08	_____

TOTAL OPERATING COSTS:				<b>\$281.55</b>	<b>\$0.00</b>
------------------------	--	--	--	-----------------	---------------

TOTAL VARIABLE COSTS:				<b>\$1,054.82</b>	<b>\$0.00</b>
-----------------------	--	--	--	-------------------	---------------

#### 3. INCOME ABOVE VARIABLE COSTS:

**\$47.68**      **\$0.00**

#### 4. FIXED COSTS

CATTLE OPERATION	HEAD	1.00	\$22.60	\$22.60	_____
PASTURE	ACRE	0.67	\$8.25	\$5.53	_____

TOTAL FIXED COSTS:				<b>\$28.13</b>	<b>\$0.00</b>
--------------------	--	--	--	----------------	---------------

#### 5. OTHER COSTS

LAND RENT	ACRE	0.67	\$40.00	\$26.80	_____
GENERAL OVERHEAD	DOL.	\$256.74	7.0%	\$17.97	_____

TOTAL OTHER COSTS:				<b>\$44.77</b>	<b>\$0.00</b>
--------------------	--	--	--	----------------	---------------

#### 6. TOTAL COSTS:

**\$1,127.72**      **\$0.00**

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

**-\$25.22**      **\$0.00**

	<u>BREAK-EVEN WEIGHT</u>		<u>BREAK-EVEN PRICE (\$/LBS)</u>		
			<u>Per Steer</u>	<u>Per Gain</u>	<u>Per Calf</u>
VARIABLE COSTS	752	LBS	\$1.34	\$0.92	\$1.81
TOTAL COSTS	806	LBS	\$1.43	\$1.16	\$1.65

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

WINTERING LIGHTWEIGHT STEERS ON SMALL GRAIN PASTURE, CORN AND HAY						
ESTIMATED FACILITIES, EQUIPMENT AND MACHINERY INPUTS				CATTLE OPERATION: 50		
LIFE (YRS)	FACILITIES & EQUIPMENT	REPAIR COST	COST	DEPR.	INTEREST	TAXES &
		1.5%				1.5%
15	CORRAL / WORKING ALLEY	70.50	4700.00	313.33	117.50	35.25
15	FENCING	75.00	5000.00	333.33	125.00	37.50
10	SALT, MINERAL FEEDER	3.75	250.00	25.00	6.25	1.88
10	MISC. EQUIPMENT	4.50	300.00	30.00	7.50	2.25
TOTAL PER HEAD		3.08	205.00	14.03	5.13	1.54
MONTH	MACHINE	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
9	TRACTOR 50-60 HP (1)	1.00	4.00	0.40	\$6.40	\$4.77
TOTAL PER HEAD				0.40	\$2.56	\$1.91

INCOME ABOVE VARIABLE COSTS FOR DIFFERENT CALF PURCHASE PRICES AND STEER SALE PRICES						
CALF PRICE (\$/LBS)	STEER SALE PRICE (\$/LBS)					
	\$1.26	\$1.33	\$1.40	\$1.47	\$1.54	
\$1.53	\$19.96	\$73.43	\$126.90	\$180.37	\$233.84	
\$1.62	-\$21.56	\$31.92	\$85.39	\$138.86	\$192.33	
\$1.70	-\$58.46	-\$4.98	\$48.49	\$101.96	\$155.43	
\$1.79	-\$99.97	-\$46.50	\$6.97	\$60.45	\$113.92	
\$1.87	-\$136.87	-\$83.40	-\$29.93	\$23.55	\$77.02	

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.