

CLEMSON COOPERATIVE EXTENSION

Last revised: 1/15/2016

WINTERING LIGHTWEIGHT STEERS ON RYEGRASS 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: | | | | \$1,102.50 | \$0.00 |

2. VARIABLE COSTS

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

FEED

| | | | | | |
|-------------------------------|------|------------|----------|---------|-------|
| RYEGRASS PASTURE | ACRE | 0.67 | \$92.62 | \$62.05 | _____ |
| HAY 11.5 LBS/DAY; 108 DAYS | TON | 0.62 | \$120.00 | \$74.40 | _____ |
| CORN 3.5 LBS; 108 DAYS | BU | 7.00 | \$6.50 | \$45.50 | _____ |
| COTTON SEED 1.5 LBS; 108 DAYS | CWT | 1.62 | \$6.00 | \$9.72 | _____ |
| SALT & MINERALS | HEAD | 1.00 | \$6.00 | \$6.00 | _____ |
| VETERINARY & MEDICATION | HEAD | 1.00 | \$15.00 | \$15.00 | _____ |
| GROWTH PROMOTANT | HEAD | 1.00 | \$4.00 | \$4.00 | _____ |
| 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. | DOL. | \$513.79 | 5.0% | \$25.69 | _____ |
| MARKETING SALES COMMISSION | HEAD | 1.00 | \$10.00 | \$10.00 | _____ |
| SHRINK | DOL. | \$1,102.50 | 3.00% | \$33.08 | _____ |

| | | | | | |
|------------------------|--|--|--|-----------------|---------------|
| TOTAL OPERATING COSTS: | | | | \$323.08 | \$0.00 |
|------------------------|--|--|--|-----------------|---------------|

| | | | | | |
|-----------------------|--|--|--|-------------------|---------------|
| TOTAL VARIABLE COSTS: | | | | \$1,096.35 | \$0.00 |
|-----------------------|--|--|--|-------------------|---------------|

| | | | | | |
|--|--|--|--|---------------|---------------|
| 3. INCOME ABOVE VARIABLE COSTS: | | | | \$6.15 | \$0.00 |
|--|--|--|--|---------------|---------------|

4. FIXED COSTS

| | | | | | |
|------------------|------|------|---------|---------|-------|
| CATTLE OPERATION | HEAD | 1.00 | \$22.60 | \$22.60 | _____ |
| PASTURE | ACRE | 0.67 | \$28.54 | \$19.12 | _____ |

| | | | | | |
|--------------------|--|--|--|----------------|---------------|
| TOTAL FIXED COSTS: | | | | \$41.72 | \$0.00 |
|--------------------|--|--|--|----------------|---------------|

5. OTHER COSTS

| | | | | | |
|------------------|------|----------|---------|---------|-------|
| LAND RENT | ACRE | 0.67 | \$40.00 | \$26.80 | _____ |
| GENERAL OVERHEAD | DOL. | \$298.27 | 7.0% | \$20.88 | _____ |

| | | | | | |
|--------------------|--|--|--|----------------|---------------|
| TOTAL OTHER COSTS: | | | | \$47.68 | \$0.00 |
|--------------------|--|--|--|----------------|---------------|

| | | | | | |
|------------------------|--|--|--|-------------------|---------------|
| 6. TOTAL COSTS: | | | | \$1,185.75 | \$0.00 |
|------------------------|--|--|--|-------------------|---------------|

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|---|--|--|--|-----------------|---------------|
| 7. NET RETURNS TO RISK AND MANAGEMENT: | | | | -\$83.25 | \$0.00 |
|---|--|--|--|-----------------|---------------|

| | <u>BREAK-EVEN WEIGHT</u> | | <u>BREAK-EVEN PRICE (\$/LBS)</u> | | |
|----------------|--------------------------|-----|----------------------------------|----------|----------|
| | Per Steer | | Per Steer | Per Gain | Per Calf |
| VARIABLE COSTS | 783 | LBS | \$1.39 | \$1.06 | \$1.72 |
| TOTAL COSTS | 849 | LBS | \$1.51 | \$1.34 | \$1.52 |

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

| WINTERING LIGHTWEIGHT STEERS ON RYEGRASS PASTURE, CORN AND HAY | | | | | | |
|--|------------------------|-------------|-------------|----------------------|----------------|----------------|
| ESTIMATED FACILITIES, EQUIPMENT AND MACHINERY INPUTS | | | | CATTLE OPERATION: 50 | | |
| LIFE (YRS) | FACILITIES & EQUIPMENT | REPAIR 1.5% | COST | DEPR. | INTEREST | INSURANCE 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 | -\$21.58 | \$31.90 | \$85.37 | \$138.84 | \$192.31 | |
| \$1.62 | -\$63.09 | -\$9.62 | \$43.85 | \$97.33 | \$150.80 | |
| \$1.70 | -\$99.99 | -\$46.52 | \$6.95 | \$60.43 | \$113.90 | |
| \$1.79 | -\$141.50 | -\$88.03 | -\$34.56 | \$18.91 | \$72.38 | |
| \$1.87 | -\$178.40 | -\$124.93 | -\$71.46 | -\$17.99 | \$35.48 | |

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