

# CLEMSON

## EXTENSION

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### MEAT GOAT OPERATION

#### ESTIMATED COSTS AND RETURNS PER HEAD, 2002/2003

|                              |       |                        |          |
|------------------------------|-------|------------------------|----------|
| HERD SIZE (DOES)             | 50.00 | PERCENT KID CROP:      | 180.0%   |
| KIDS SOLD FOR MEAT (F):      | 11.00 | SOLD FOR MEAT (F):     | 15.0%    |
| KIDS SOLD FOR MEAT (M):      | 37.00 | SOLD FOR MEAT (M):     | 50.0%    |
| KIDS SOLD FOR BREEDING (F):  | 26.00 | SOLD FOR BREEDING (F): | 35.0%    |
| KIDS SOLD FOR BREEDING (M):  | 0.00  | SOLD FOR BREEDING (M): | 0.0%     |
| NUMBER OF CULL STOCK SOLD:   | 7.00  | CULL STOCK SOLD:       | 15.0%    |
| NUMBER OF KIDS DEATH:        | 9.00  | KID MORTALITY RATE:    | 10.0%    |
| LBS. OF CONCENTRATE DOE/DAY: | 0.50  | DAYS ON CONCENTRATE:   | 100.00   |
| LBS. OF HAY DOE/DAY:         | 3.00  | DAYS ON HAY & SUPPL.:  | 120.00   |
| ACRES IN FORAGE:             | 20.00 | AVAILABLE FARMLAND:    | 20 ACRES |

|   | UNIT | QUANT.       | PRICE OR COST/UNIT | TOTAL PER HERD     | TOTAL PER DOE   | YOUR FARM |
|---|------|--------------|--------------------|--------------------|-----------------|-----------|
| <b>1. GROSS RECEIPTS</b>                      |      |              |                    |                    |                 |           |
| MARKET ANIMALS FOR MEAT                       | HEAD | 48.00        | \$40.00            | \$1,920.00         | \$38.40         | _____     |
| BREEDING FEMALES                              | HEAD | 26.00        | \$65.00            | \$1,690.00         | \$33.80         | _____     |
| CULL BREEDING STOCK                           | HEAD | 7.00         | \$55.00            | \$385.00           | \$7.70          | _____     |
| CULL BUCK                                     | HEAD | 1.50         | \$85.00            | \$127.50           | \$2.55          | _____     |
| <b>TOTAL RECEIPTS:</b>                        |      | <b>82.50</b> |                    | <b>\$4,122.50</b>  | <b>\$82.45</b>  | _____     |
| <b>2. VARIABLE COSTS</b>                      |      |              |                    |                    |                 |           |
| FEED  |      |              |                    |                    |                 |           |
| PASTURE (BERMUDAGRASS) ACRE                   | ACRE | 20.00        | \$84.30            | \$1,686.00         | \$33.72         | _____     |
| HAY (PURCHASE)                                | TON  | 9.54         | \$75.00            | \$715.50           | \$14.31         | _____     |
| CONCENTRATE                                   | CWT  | 26.50        | \$11.00            | \$291.50           | \$5.83          | _____     |
| SALT & MINERALS                               | HEAD | 53.00        | \$1.50             | \$79.50            | \$1.59          | _____     |
| VETERINARY & MEDICATION                       |      |              |                    |                    |                 |           |
| DEWORMING (6x)                                | HEAD | 53.00        | \$4.90             | \$259.70           | \$5.19          | _____     |
| VACCINATION (2x)                              | DOSE | 106.00       | \$0.40             | \$42.40            | \$0.85          | _____     |
| ANTIBIOTICS & MISC. MED.                      | YEAR | 1.00         | \$25.00            | \$25.00            | \$0.50          | _____     |
| MISCELLANEOUS                                 | HEAD | 53.00        | \$0.00             | \$0.00             | \$0.00          | _____     |
| FACILITIES & EQUIPMENT                        | HEAD | 53.00        | \$1.94             | \$102.90           | \$2.06          | _____     |
| SUPPLIES                                      | HEAD | 53.00        | \$4.00             | \$212.00           | \$4.24          | _____     |
| HIRED LABOR PER DOE                           | HRS  | 0.00         | \$6.00             | \$0.00             | \$0.00          | _____     |
| INTEREST ON OP. CAP. (6 Mo)                   | DOL. | \$1,707.25   | 9.0%               | \$153.65           | \$3.07          | _____     |
| MARKETING & TRANSPORT.                        | YEAR | 1.00         | \$75.00            | \$75.00            | \$1.50          | _____     |
| <b>TOTAL VARIABLE COSTS:</b>                  |      |              |                    | <b>\$3,643.15</b>  | <b>\$72.86</b>  | _____     |
| <b>3. INCOME ABOVE VARIABLE COSTS:</b>        |      |              |                    | <b>\$479.35</b>    | <b>\$9.59</b>   | _____     |
| <b>4. FIXED COSTS</b>                         |      |              |                    |                    |                 |           |
| GOAT OPERATION                                | HEAD | 53.00        | \$27.70            | \$1,468.08         | \$29.36         | _____     |
| FORAGE DEPR. & ESTAB. COST/ACRE               | ACRE | 20.00        | \$37.91            | \$758.20           | \$15.16         | _____     |
| <b>TOTAL FIXED COSTS:</b>                     |      |              |                    | <b>\$2,226.28</b>  | <b>\$44.52</b>  | _____     |
| <b>5. OTHER COSTS</b>                         |      |              |                    |                    |                 |           |
| LAND CHARGE                                   | ACRE | 20.00        | \$15.00            | \$300.00           | \$6.00          | _____     |
| ADDITIONAL LAND RENTAL FEE ACRE               | ACRE | 0.00         | \$15.00            | \$0.00             | \$0.00          | _____     |
| GENERAL OVERHEAD                              | DOL. | \$3,643.15   | 8.0%               | \$291.45           | \$5.83          | _____     |
| <b>TOTAL OTHER COSTS:</b>                     |      |              |                    | <b>\$591.45</b>    | <b>\$11.83</b>  | _____     |
| <b>6. TOTAL COSTS:</b>                        |      |              |                    | <b>\$6,460.88</b>  | <b>\$129.21</b> | _____     |
| <b>7. NET RETURNS TO RISK AND MANAGEMENT:</b> |      |              |                    | <b>-\$2,338.38</b> | <b>-\$46.76</b> | _____     |

|                | <u>BREAK-EVEN KID CROP</u> | <u>BREAK-EVEN ANIMAL PRICE (\$/HEAD)</u> |                 |
|----------------|----------------------------|--|-----------------|
|                | <u>Percent</u>             | <u>Meat</u>                              | <u>Breeding</u> |
| VARIABLE COSTS | 158%                       | \$29.00                                  | \$46.00         |
| TOTAL COSTS    | 287%                       | \$88.00                                  | \$155.00        |

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

\*\* BREAK-EVEN PRICES ASSUME THAT ALL OTHER PRICES REMAIN THE SAME WHEN INDIVIDUAL PRICES ARE APPLIED.

\*\*\* CONCEPTION RATE IS ASSUMED TO BE 100%, AND DOE MORTALITY RATE IS ASSUMED TO BE 0%.

\*\*\*\* PERCENTAGE OF MEAT AND BREEDING ANIMALS ARE COMPUTED AFTER SUBTRACTING CULL STOCKS AND DEAD KIDS.

\*\*\*\*\* CULL BUCKS ARE TO BE REPLACED EVERY TWO YEARS.

| MEAT GOAT OPERATION  |                        |            |    |             |               |        |          |           |
|--|------------------------|------------|----|-------------|---------------|--------|----------|-----------|
| ESTIMATED MEAT GOAT OPERATION, FACILITIES, EQUIPMENT AND MACHINERY INPUTS FOR: 50 DOES |                        |            |    |             |               |        |          |           |
| LIFE (YRS)   | FACILITIES & EQUIPMENT | UNIT VALUE | #  | NEW INVEST. | REPAIR        | DEPR.  | INTEREST | INSURANCE |
| 15   | CORRAL / WORKING PEN   | 3000.00    | 1  | 3000.00     | 45.00         | 200.00 | 135.00   | 0.00      |
| 10   | MISC. EQUIPMENT        | 100.00     | 1  | 100.00      | 1.50          | 10.00  | 4.50     | 0.00      |
| 15   | FENCING                | 188.00     | 20 | 3760.00     | 56.40         | 250.67 | 169.20   | 0.00      |
| TOTAL PER HEAD   |                        |            |    | 129.43      | 1.94          | 8.69   | 5.82     | 0.00      |
| LIFE (YRS)   | GOAT OPERATION         | UNIT VALUE | #  | NEW INVEST. | SALVAGE VALUE | DEPR.  | INTEREST | INSURANCE |
| 7  | DOES                   | 100.00     | 50 | 5000.00     | 3500.00       | 214.29 | 382.50   | 0.00      |
| 2  | BUCKS                  | 150.00     | 3  | 450.00      | 315.00        | 67.50  | 34.43    | 0.00      |
| TOTAL PER HEAD   |                        |            |    | 102.83      |               | 5.32   | 7.87     | 0.00      |

| INCOME ABOVE VARIABLE COSTS FOR DIFFERENT KID CROP PERCENTS AND MEAT SALE PRICES |                           |           |           |          |         |            |
|--|---------------------------|-----------|-----------|----------|---------|------------|
| PERCENT KID CROP   | MEAT SALE PRICE (\$/HEAD) |           |           |          |         |            |
|  | \$32.00                   | \$36.00   | \$40.00   | \$44.00  | \$48.00 |            |
| 150.0%   | -\$485.65                 | -\$325.65 | -\$165.65 | -\$5.65  |         | \$154.35   |
| 160.0%   | -\$259.65                 | -\$87.65  | \$84.35   | \$256.35 |         | \$428.35   |
| 170.0%   | -\$33.65                  | \$150.35  | \$334.35  | \$518.35 |         | \$702.35   |
| 180.0%   | \$95.35                   | \$287.35  | \$479.35  | \$671.35 |         | \$863.35   |
| 190.0%   | \$353.35                  | \$561.35  | \$769.35  | \$977.35 |         | \$1,185.35 |

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