

CLEMSON

EXTENSION

Department of Applied Economics and Statistics

Phone: 864-656-3475



SPRING CUCUMBERS FOR PICKLES - IRRIGATED

ESTIMATED COSTS AND RETURNS PER ACRE, 2008/2009
175 HUNDREDWEIGHT

| | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE | YOUR FARM |
|---|------|------------|--------------------|-------------------|-----------|
| 1. GROSS RECEIPTS | | | | | |
| CUCUMBER #1 | CWT | 35.00 | \$18.00 | \$630.00 | _____ |
| CUCUMBER #2 | CWT | 70.00 | \$14.00 | \$980.00 | _____ |
| CUCUMBER #3 | CWT | 52.00 | \$10.00 | \$520.00 | _____ |
| CUCUMBER #4 | CWT | 18.00 | \$8.00 | \$144.00 | _____ |
| TOTAL RECEIPTS AND AVERAGE PRICE: | | 175.00 | \$12.99 | \$2,274.00 | _____ |
| 2. VARIABLE COSTS | | | | | |
| SEED | LBS | 2.00 | \$35.00 | \$70.00 | _____ |
| FERTILIZER | | | | | |
| 5-10-10 (SPREAD) | CWT | 10.00 | \$12.63 | \$126.30 | _____ |
| SIDE DRESSING 30% N | CWT | 1.00 | \$33.33 | \$33.33 | _____ |
| LIME (PRORATED) | TON | 0.33 | \$52.50 | \$17.33 | _____ |
| HERBICIDES | ACRE | 1.00 | \$5.09 | \$5.09 | _____ |
| INSECTICIDES | ACRE | 1.00 | \$7.43 | \$7.43 | _____ |
| NEMATOCIDES | ACRE | 1.00 | \$33.75 | \$33.75 | _____ |
| IRRIGATION, MACHINERY & LABOR | ACRE | 1.00 | \$186.81 | \$186.81 | _____ |
| HARVEST & HAULING | CWT | 175.00 | \$4.50 | \$787.50 | _____ |
| BULK BINS (3 YR. PRORATED) | EACH | 3.00 | \$2.00 | \$6.00 | _____ |
| TRACTOR/MACHINERY | ACRE | 1.00 | \$33.55 | \$33.55 | _____ |
| LABOR | HRS | 11.77 | \$6.50 | \$76.51 | _____ |
| INTEREST ON OP. CAP. | DOL. | \$256.80 | 9.0% | \$23.11 | _____ |
| TOTAL VARIABLE COSTS: | | | | \$1,406.71 | _____ |
| 3. INCOME ABOVE VARIABLE COSTS: | | | | \$867.29 | _____ |
| 4. FIXED COSTS | | | | | |
| TRACTOR/MACHINERY | ACRE | 1.00 | \$46.94 | \$46.94 | _____ |
| IRRIGATION | ACRE | 1.00 | \$84.93 | \$84.93 | _____ |
| TOTAL FIXED COSTS: | | | | \$131.87 | _____ |
| 5. OTHER COSTS | | | | | |
| LAND RENT | ACRE | 1.00 | \$25.00 | \$25.00 | _____ |
| GENERAL OVERHEAD | DOL. | \$1,406.71 | 9.0% | \$126.60 | _____ |
| TOTAL OTHER COSTS: | | | | \$151.60 | _____ |
| 6. TOTAL COSTS: | | | | \$1,690.18 | _____ |
| 7. NET RETURNS TO RISK AND MANAGEMENT: | | | | \$583.82 | _____ |

BREAK-EVEN YIELD

| | | | <u>BREAK-EVEN PRICE PER CWT</u> | |
|----------------|-----|-----|---------------------------------|--------|
| VARIABLE COSTS | 73 | CWT | VARIABLE COSTS | \$8.04 |
| TOTAL COSTS | 103 | CWT | TOTAL COSTS | \$9.66 |

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

** BASED ON IMPROVED PRODUCTION PRACTICES FOR COMMERCIAL PRODUCERS.

*** HARVEST: 33.3% MAY, 66.6% JUNE

| SPRING CUCUMBERS FOR PICKLES - IRRIGATED | | | | | | |
|--|------------------------|------------|-------------|---------------|----------------|-------------|
| PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR SPRING PICKLES | | | | | | |
| MONTH | OPERATION | TIMES OVER | LABOR HOURS | MACHINE HOURS | VARIABLE COSTS | FIXED COSTS |
| 2 | HEAVY DISK 14' | 1.00 | 0.17 | 0.15 | \$2.67 | \$3.92 |
| 2 | SUBSOILER-BEDDER 4-ROW | 1.00 | 0.21 | 0.19 | \$3.05 | \$2.87 |
| 3 | PLANTER 2-ROW | 1.00 | 0.98 | 0.89 | \$5.08 | \$7.79 |
| 3 | TRACTOR MTD SPRAYER | 1.00 | 0.18 | 0.16 | \$1.14 | \$1.64 |
| 4 | CULTIVATOR 2-ROW | 2.00 | 1.23 | 1.12 | \$6.50 | \$8.76 |
| 4 | PULL TYPE SPRAYER | 1.00 | 0.20 | 0.18 | \$1.29 | \$2.71 |
| 4 | SIDEDRESSER 2-ROW | 1.00 | 0.62 | 0.56 | \$4.52 | \$4.95 |
| 3&4 | NURSE TANK ON PICK-UP | 2.00 | 0.37 | 0.34 | \$2.10 | \$3.20 |
| 3,5&6 | TRUCK 1.5 TON | 5.00 | 1.27 | 1.15 | \$7.20 | \$11.10 |
| PER ACRE TOTALS FOR SELECTED OPERATIONS | | | 5.23 | 4.74 | \$33.55 | \$46.94 |
| UNALLOCATED LABOR(HRS./AC.) | | | 6.54 | | | |

Note: Seventeen inches of water is applied using a 10 acre drip irrigation system. The variable cost includes provisions for the annual replacement of 62,228 feet of 0.38 gpm drip tape at \$0.02 per foot and other items that are replaced annually. The fixed cost includes the well, a 36 gpm pump and other items do not have to be replaced annually.

| INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES | | | | | |
|--|-----------------------|----------|------------|------------|------------|
| YIELD | AVERAGE PRICE PER CWT | | | | |
| CWT | \$10.40 | \$11.69 | \$12.99 | \$14.29 | \$15.59 |
| 140 | \$206.79 | \$387.39 | \$569.99 | \$751.39 | \$933.39 |
| 158 | \$310.04 | \$513.22 | \$718.64 | \$922.72 | \$1,127.47 |
| 175 | \$413.29 | \$639.04 | \$867.29 | \$1,094.04 | \$1,321.54 |
| 193 | \$516.54 | \$764.87 | \$1,015.94 | \$1,265.37 | \$1,515.62 |
| 210 | \$619.79 | \$890.69 | \$1,164.59 | \$1,436.69 | \$1,709.69 |

| CHEMICAL USE ASSUMPTIONS FOR SPRING PICKLES | | | | | |
|---|------|----------|--------------------|----------------|--------|
| | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE | MONTH |
| HERBICIDES | | | | | |
| ethalfuralin (Curbit) | PT | 1.00 | \$5.09 | \$5.09 | 1X MAR |
| INSECTICIDES | | | | | |
| endosulfan (Phaser) | QT | 1.00 | \$7.43 | \$7.43 | 1X APR |
| NEMATICIDES | | | | | |
| dichloropropene (Telone II) | GAL | 3.00 | \$11.25 | \$33.75 | 1X MAR |
| TOTAL: | | | | \$46.27 | |

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. The "Vegetable Crop Guidelines for the Southeastern US" must be consulted. Production assumptions provided by Richard Hassel, (843) 402-5394, rhassel@clemson.edu.

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