

CLEMSON

EXTENSION

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SOYBEANS - FULL SEASON, CONVENTIONAL TILLAGE, 30" ROWS

ESTIMATED COSTS AND RETURNS PER ACRE, 2009/2010
35 BUSHEL ACTUAL YIELD.

| | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE | YOUR FARM |
|---|------|----------|-----------------------|-------------------|--------------|
| 1. GROSS RECEIPTS | | | | | |
| SOYBEANS | BU. | 35.00 | \$9.90 | \$346.50 | _____ |
| TOTAL RECEIPTS: | | | | \$346.50 | _____ |
| 2. VARIABLE COSTS | | | | | |
| SEED (CERTIFIED) ** | BU. | 0.56 | \$31.00 | \$17.36 | _____ |
| FERTILIZER *** | | | | | |
| PHOSPHATE | LBS | 50.00 | \$1.28 | \$64.00 | _____ |
| POTASH | LBS | 50.00 | \$0.90 | \$45.00 | _____ |
| LIME (PRORATED) | TON | 0.50 | \$51.00 | \$25.50 | _____ |
| HERBICIDES | ACRE | 1.00 | \$12.83 | \$12.83 | _____ |
| INSECTICIDES | ACRE | 1.00 | \$18.98 | \$18.98 | _____ |
| FUNGICIDES | ACRE | 1.00 | \$20.16 | \$20.16 | _____ |
| AERIAL APPLICATION | APPL | 1.00 | \$6.00 | \$6.00 | _____ |
| HAULING | BU. | 35.00 | \$0.40 | \$14.00 | _____ |
| TRACTOR/MACHINERY | ACRE | 1.00 | \$44.59 | \$44.59 | _____ |
| LABOR | HRS | 5.02 | \$6.50 | \$32.63 | _____ |
| INTEREST ON OP. CAP. | DOL. | \$127.21 | 9.0% | \$11.45 | _____ |
| TOTAL VARIABLE COSTS: | | | | \$312.50 | _____ |
| 3. INCOME ABOVE VARIABLE COSTS: | | | | \$34.00 | _____ |
| 4. FIXED COSTS | | | | | |
| TRACTOR/MACHINERY | ACRE | 1.00 | \$63.85 | \$63.85 | _____ |
| TOTAL FIXED COSTS: | | | | \$63.85 | _____ |
| 5. OTHER COSTS | | | | | |
| LAND RENT | ACRE | 1.00 | \$25.00 | \$25.00 | _____ |
| GENERAL OVERHEAD | DOL. | \$312.50 | 9.0% | \$28.13 | _____ |
| TOTAL OTHER COSTS: | | | | \$53.13 | _____ |
| 6. TOTAL COSTS: | | | | \$429.48 | _____ |
| 7. NET RETURNS TO RISK AND MANAGEMENT: | | | | -\$82.98 | _____ |

BREAK-EVEN YIELD

VARIABLE COSTS
TOTAL COSTS

31 BU.
44 BU.

BREAK-EVEN PRICE

VARIABLE COSTS
TOTAL COSTS

\$8.93
\$12.27

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

** CONVENTIONAL SEED.

*** FERTILIZER RECOMMENDATIONS MUST BE BASED ON SOIL TEST ANALYSIS.

| SOYBEANS - FULL SEASON, CONVENTIONAL TILLAGE, 30" ROWS | | | | | | |
|---|-------------------------|------------|-------------|---------------|----------------|-------------|
| PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 35 BUSHEL SOYBEANS - 30" ROWS | | | | | | |
| MONTH | OPERATION | TIMES OVER | LABOR HOURS | MACHINE HOURS | VARIABLE COSTS | FIXED COSTS |
| 4 | FERTILIZER SPREADER | 1.50 | 0.20 | 0.18 | \$2.78 | \$6.81 |
| 4 | HEAVY DISK 16' | 1.00 | 0.13 | 0.12 | \$3.71 | \$4.14 |
| 4 | DISK W/ SPRAYER 16' | 1.00 | 0.17 | 0.15 | \$2.97 | \$3.77 |
| 5 | SUBSOILER-PLANTER 6-ROW | 1.00 | 0.20 | 0.18 | \$7.34 | \$8.93 |
| 5,6,7,8&9 | TRACTOR MTD SPRAYER | 5.00 | 0.88 | 0.80 | \$8.55 | \$9.05 |
| 6&7 | CULTIVATOR 6-ROW | 2.00 | 0.37 | 0.34 | \$4.74 | \$3.96 |
| 10 | COMBINE LARGE W/ HEADER | 1.00 | 0.28 | 0.25 | \$14.50 | \$27.19 |
| PER ACRE TOTALS FOR SELECTED OPERATIONS | | | 2.23 | 2.02 | \$44.59 | \$63.85 |
| UNALLOCATED LABOR(HRS./AC.) | | | 2.79 | | | |

| INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES | | | | | |
|--|----------------|----------|---------|---------|----------|
| YIELD | PRICE (\$/bu.) | | | | |
| BU. | \$8.91 | \$9.41 | \$9.90 | \$10.40 | \$10.89 |
| 32 | -\$26.18 | -\$10.18 | \$5.50 | \$21.50 | \$37.18 |
| 33 | -\$17.67 | -\$1.17 | \$15.00 | \$31.50 | \$47.67 |
| 35 | -\$0.65 | \$16.85 | \$34.00 | \$51.50 | \$68.65 |
| 37 | \$16.37 | \$34.87 | \$53.00 | \$71.50 | \$89.63 |
| 39 | \$33.39 | \$52.89 | \$72.00 | \$91.50 | \$110.61 |

| CHEMICAL USE ASSUMPTIONS FOR 35 BUSHEL SOYBEANS - 30" ROWS | | | | | |
|--|------|----------|--------------------|----------------|-------|
| | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE | MONTH |
| HERBICIDES: | | | | | |
| s-metolachlor (Dual Magnum EC) | PT | 1.00 | \$11.13 | \$11.13 | MAY |
| imazethapyr (Pursuit) | OZ | 1.44 | \$0.45 | \$0.64 | JUN |
| thifensulfuron+tribenuron (Harmony GT 75) | OZ | 0.083 | \$12.80 | \$1.06 | JUL |
| INSECTICIDE | | | | | |
| cyfluthrin (Baythroid) | OZ | 2.00 | \$1.74 | \$3.48 | SEP |
| aldicarb (Temik) | LB | 5.00 | \$3.10 | \$15.50 | MAY |
| FUNGICIDE | | | | | |
| pyraclostrobin (Headline) | OZ | 8.00 | \$2.52 | \$20.16 | AUG |
| TOTAL: | | | | \$51.97 | |
| The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. The "Pest Management Handbook" must be consulted. Production assumptions provided by Pawel Wiatrak, (803) 284-3343, pwiatra@clemson.edu. | | | | | |

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