

# CLEMSON

## EXTENSION

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**SOYBEANS - FULL SEASON, CONSERVATION TILLAGE (ROUNDUP READY), 7-10" ROWS**

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

|   | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE   | YOUR FARM |
|---|------|----------|--------------------|------------------|-----------|
| <b>1. GROSS RECEIPTS</b>                      |      |          |                    |                  |           |
| SOYBEANS                                      | BU.  | 35.00    | \$9.90             | \$346.50         | _____     |
| TOTAL RECEIPTS:                               |      |          |                    | <b>\$346.50</b>  | _____     |
| <b>2. VARIABLE COSTS</b>                      |      |          |                    |                  |           |
| SEED (CERTIFIED)                              | BU.  | 0.83     | \$42.00            | \$34.86          | _____     |
| 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     | \$28.44            | \$28.44          | _____     |
| 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     | \$39.52            | \$39.52          | _____     |
| LABOR   | HRS  | 3.98     | \$6.50             | \$25.87          | _____     |
| INTEREST ON OP. CAP.                          | DOL. | \$141.23 | 9.0%               | \$12.71          | _____     |
| TOTAL VARIABLE COSTS:                         |      |          |                    | <b>\$335.04</b>  | _____     |
| <b>3. INCOME ABOVE VARIABLE COSTS:</b>        |      |          |                    | <b>\$11.46</b>   | _____     |
| <b>4. FIXED COSTS</b>                         |      |          |                    |                  |           |
| TRACTOR/MACHINERY                             | ACRE | 1.00     | \$58.49            | \$58.49          | _____     |
| TOTAL FIXED COSTS:                            |      |          |                    | <b>\$58.49</b>   | _____     |
| <b>5. OTHER COSTS</b>                         |      |          |                    |                  |           |
| LAND RENT                                     | ACRE | 1.00     | \$25.00            | \$25.00          | _____     |
| GENERAL OVERHEAD                              | DOL. | \$335.04 | 9.0%               | \$30.15          | _____     |
| TOTAL OTHER COSTS:                            |      |          |                    | <b>\$55.15</b>   | _____     |
| <b>6. TOTAL COSTS:</b>                        |      |          |                    | <b>\$448.68</b>  | _____     |
| <b>7. NET RETURNS TO RISK AND MANAGEMENT:</b> |      |          |                    | <b>-\$102.18</b> | _____     |

**BREAK-EVEN YIELD**

VARIABLE COSTS  
TOTAL COSTS

34 BU.  
46 BU.

**BREAK-EVEN PRICE**

VARIABLE COSTS  
TOTAL COSTS

\$9.57  
\$12.82

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

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

| SOYBEANS - FULL SEASON, CONSERVATION TILLAGE (ROUNDUP READY), 7-10" ROWS           |                         |            |             |               |                |             |
|--|-------------------------|------------|-------------|---------------|----------------|-------------|
| PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 35 BUSHEL SOYBEANS - 7-10" ROWS - RR |                         |            |             |               |                |             |
| 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  | BROADCAST DEEP TILLAGE  | 1.00       | 0.26        | 0.24          | \$9.17         | \$8.86      |
| 5  | NO-TILL DRILL 16'       | 1.00       | 0.15        | 0.14          | \$4.52         | \$6.58      |
| 5,6,7,8&9  | TRACTOR MTD SPRAYER     | 5.00       | 0.88        | 0.80          | \$8.55         | \$9.05      |
| 10   | COMBINE LARGE W/ HEADER | 1.00       | 0.28        | 0.25          | \$14.50        | \$27.19     |
| PER ACRE TOTALS FOR SELECTED OPERATIONS  |                         |            | 1.77        | 1.61          | \$39.52        | \$58.49     |
| UNALLOCATED LABOR(HRS./AC.)  |                         |            | 2.21        |               |                |             |

| INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES |                |          |          |         |         |  |
|--|----------------|----------|----------|---------|---------|--|
| YIELD  | PRICE (\$/bu.) |          |          |         |         |  |
| BU.  | \$8.91         | \$9.41   | \$9.90   | \$10.40 | \$10.89 |  |
| 32   | -\$48.72       | -\$32.72 | -\$17.04 | -\$1.04 | \$14.64 |  |
| 33   | -\$40.21       | -\$23.71 | -\$7.54  | \$8.96  | \$25.13 |  |
| 35   | -\$23.19       | -\$5.69  | \$11.46  | \$28.96 | \$46.11 |  |
| 37   | -\$6.17        | \$12.33  | \$30.46  | \$48.96 | \$67.09 |  |
| 39   | \$10.85        | \$30.35  | \$49.46  | \$68.96 | \$88.07 |  |

| CHEMICAL USE ASSUMPTIONS FOR 35 BUSHEL SOYBEANS - 7-10" ROWS - RR |      |          |                    |                |                |  |
|---|------|----------|--------------------|----------------|----------------|--|
|   | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE | MONTH          |  |
| HERBICIDES:   |      |          |                    |                |                |  |
| glyphosate (Roundup WeatherMax)                                   | OZ   | 32.00    | \$0.51             | \$16.25        | 1X JUN, 1X JUL |  |
| s-metolachlor (Dual Magnum EC)                                    | PT   | 1.00     | \$11.13            | \$11.13        | MAY            |  |
| 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:  |      |          |                    | \$67.58        |                |  |

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](mailto:pwiatra@clemson.edu).

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