

# CLEMSON COOPERATIVE EXTENSION

Last revised: 02/06/2017

| <b>SOYBEANS - FULL SEASON, CONVENTIONAL TILLAGE (CONVENTIONAL SEED), 30" ROWS</b> |      |          |                    |                  |           |
|---|------|----------|--------------------|------------------|-----------|
| ESTIMATED COSTS AND RETURNS PER ACRE  |      |          |                    |                  |           |
| 35 BUSHEL ACTUAL YIELD.   |      |          |                    |                  |           |
|   | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE   | YOUR FARM |
| <b>1. GROSS RECEIPTS</b>  |      |          |                    |                  |           |
| SOYBEANS  | BU.  | 35.00    | \$9.85             | \$344.75         | _____     |
| TOTAL RECEIPTS:   |      |          |                    | <b>\$344.75</b>  | =====     |
| <b>2. VARIABLE COSTS</b>  |      |          |                    |                  |           |
| SEED **   | 140K | 0.71     | \$42.50            | \$30.18          | _____     |
| FERTILIZER ***  |      |          |                    |                  |           |
| PHOSPHATE   | LBS  | 50.00    | \$0.51             | \$25.50          | _____     |
| POTASH  | LBS  | 50.00    | \$0.40             | \$20.00          | _____     |
| LIME (PRORATED)   | TON  | 0.50     | \$47.50            | \$23.75          | _____     |
| HERBICIDES  | ACRE | 1.00     | \$40.66            | \$40.66          | _____     |
| INSECTICIDES  | ACRE | 1.00     | \$20.16            | \$20.16          | _____     |
| FUNGICIDES  | ACRE | 1.00     | \$31.06            | \$31.06          | _____     |
| AERIAL APPLICATION  | APPL | 1.00     | \$10.00            | \$10.00          | _____     |
| HAULING   | BU.  | 35.00    | \$0.35             | \$12.25          | _____     |
| CHECK OFF FEE   | ACRE | 1.00     | \$1.72             | \$1.72           | _____     |
| CROP INSURANCE  | ACRE | 1.00     | \$20.00            | \$20.00          | _____     |
| TRACTOR/MACHINERY   | ACRE | 1.00     | \$36.58            | \$36.58          | _____     |
| LABOR   | HRS  | 1.73     | \$11.25            | \$19.46          | _____     |
| CROP SCOUTING   | ACRE | 1.00     | \$10.00            | \$10.00          | _____     |
| INTEREST ON OP. CAP.  | DOL. | \$145.66 | 5.0%               | \$7.28           | _____     |
| TOTAL VARIABLE COSTS:   |      |          |                    | <b>\$308.60</b>  | =====     |
| <b>3. INCOME ABOVE VARIABLE COSTS:</b>  |      |          |                    | <b>\$36.15</b>   | =====     |
| <b>4. FIXED COSTS</b>   |      |          |                    |                  |           |
| TRACTOR/MACHINERY   | ACRE | 1.00     | \$71.43            | \$71.43          | _____     |
| TOTAL FIXED COSTS:  |      |          |                    | <b>\$71.43</b>   | =====     |
| <b>5. OTHER COSTS</b>   |      |          |                    |                  |           |
| LAND RENT   | ACRE | 1.00     | \$60.00            | \$60.00          | _____     |
| GENERAL OVERHEAD  | DOL. | \$308.60 | 7.0%               | \$21.60          | _____     |
| TOTAL OTHER COSTS:  |      |          |                    | <b>\$81.60</b>   | =====     |
| <b>6. TOTAL COSTS:</b>  |      |          |                    | <b>\$461.63</b>  | =====     |
| <b>7. NET RETURNS TO RISK AND MANAGEMENT:</b>                                     |      |          |                    | <b>-\$116.88</b> | =====     |

| <u>BREAK-EVEN YIELD</u> |        | <u>BREAK-EVEN PRICE</u> |         |
|-------------------------|--------|-------------------------|---------|
| VARIABLE COSTS          | 31 BU. | VARIABLE COSTS          | \$8.82  |
| TOTAL COSTS             | 47 BU. | TOTAL COSTS             | \$13.19 |

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

\*\* CONVENTIONAL SEED.

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

SEED COST INCLUDES TECH. FEE AND TREATMENT. PLEASE ADJUST ACCORDINGLY IF USING THIMET OR ALDICARB

| SOYBEANS - FULL SEASON, CONVENTIONAL TILLAGE (CONVENTIONAL SEED), 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   | HEAVY DISK 16'             | 1.00       | 0.13        | 0.12          | \$2.97         | \$3.69      |
| 4   | DISK W/ SPRAYER 16'        | 1.00       | 0.17        | 0.15          | \$2.40         | \$3.38      |
| 5   | PLANTER W/ SPRAYER 8-ROW   | 1.00       | 0.13        | 0.12          | \$3.12         | \$4.62      |
| 5,6,7,8&9   | SELF PROPELLED SPRAYER 90' | 5.00       | 0.06        | 0.05          | \$3.95         | \$4.90      |
| 10  | COMBINE LARGE W/ HEADER    | 1.00       | 0.28        | 0.25          | \$24.14        | \$54.84     |
| PER ACRE TOTALS FOR SELECTED OPERATIONS                                     |                            |            | 0.77        | 0.69          | 36.58          | \$71.43     |
| UNALLOCATED LABOR(HRS./AC.)   |                            |            | 0.96        |               |                |             |

| INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES |                |         |         |         |          |
|--|----------------|---------|---------|---------|----------|
| YIELD  | PRICE (\$/bu.) |         |         |         |          |
| BU.  | \$8.87         | \$9.36  | \$9.85  | \$10.34 | \$10.84  |
| 32   | -\$23.71       | -\$8.03 | \$7.65  | \$23.33 | \$39.33  |
| 33   | -\$15.19       | \$0.98  | \$17.15 | \$33.32 | \$49.82  |
| 35   | \$1.85         | \$19.00 | \$36.15 | \$53.30 | \$70.80  |
| 37   | \$18.89        | \$37.02 | \$55.15 | \$73.28 | \$91.78  |
| 39   | \$35.93        | \$55.04 | \$74.15 | \$93.26 | \$112.76 |

| CHEMICAL USE ASSUMPTIONS FOR 35 BUSHEL SOYBEANS - 30" ROWS |      |          |                    |                |       |
|--|------|----------|--------------------|----------------|-------|
|  | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE | MONTH |
| HERBICIDES:  |      |          |                    |                |       |
| s-metolachlor  | PT   | 1.00     | \$14.06            | \$14.06        | MAY   |
| flumioxazin (Valor)  | OZ   | 2.00     | \$7.06             | \$14.13        | MAY   |
| fomesafen (Flextar)  | PT   | 1.25     | \$7.38             | \$9.22         | JUN   |
| thifensulfuron+tribenuron (Harmony GT 7)                   | OZ   | 0.083    | \$13.50            | \$1.12         | JUL   |
| 2,4-D  | PT   | 1.000    | \$2.13             | \$2.13         | MAR   |
| INSECTICIDE  |      |          |                    |                |       |
| cyfluthrin (Baythroid)                                     | OZ   | 2.00     | \$2.70             | \$5.39         | SEP   |
| prevathon  | OZ   | 14.00    | \$1.05             | \$14.77        |       |
| FUNGICIDE  |      |          |                    |                |       |
| pyraclostrobin (Headline)                                  | OZ   | 8.00     | \$3.88             | \$31.06        | AUG   |
| TOTAL:   |      |          |                    | \$91.88        |       |

The above listed chemicals are examples and do not imply exclusive recommendations by Clemson University. Contact your local Extension Agent and consult the South Carolina Pest Management Handbook for more information.

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