

CLEMSON COOPERATIVE EXTENSION

Last revised: 02/06/2017

PEANUTS - IRRIGATED - STRIP TILL

ESTIMATED COSTS AND RETURNS PER ACRE
4000 POUND YIELD

| | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE | YOUR FARM |
|---|------|----------|--------------------|-------------------|-----------|
| 1. GROSS RECEIPTS | | | | | |
| PEANUTS | LBS | 4000.00 | \$0.250 | \$1,000.00 | _____ |
| TOTAL RECEIPTS: | | | | \$1,000.00 | ===== |
| 2. VARIABLE COSTS | | | | | |
| SEED | LBS | 120.00 | \$0.85 | \$102.00 | _____ |
| INOCULANT | OZ | 14.00 | \$1.35 | \$18.90 | _____ |
| FERTILIZER | | | | | |
| PHOSPHATE | LBS | 40.00 | \$0.51 | \$20.40 | _____ |
| POTASH | LBS | 60.00 | \$0.40 | \$24.00 | _____ |
| BORON | LBS | 2.50 | \$1.55 | \$3.88 | _____ |
| MANGANESE | LBS | 5.00 | \$0.44 | \$2.20 | _____ |
| LIME (PRORATED) | TON | 0.50 | \$47.50 | \$23.75 | _____ |
| LAND PLASTER (SPREAD) | TON | 0.75 | \$60.00 | \$45.00 | _____ |
| HERBICIDES | ACRE | 1.00 | \$107.49 | \$107.49 | _____ |
| INSECTICIDES | ACRE | 1.00 | \$21.09 | \$21.09 | _____ |
| FUNGICIDES | ACRE | 1.00 | \$105.50 | \$105.50 | _____ |
| GROWTH REGULATOR | ACRE | 1.00 | \$24.45 | \$24.45 | _____ |
| IRRIG., MACH & LABOR ** | ACRE | 1.00 | \$30.00 | \$30.00 | _____ |
| CROP SCOUTING | ACRE | 1.00 | \$10.00 | \$10.00 | _____ |
| HAULING | TON | 2.00 | \$15.00 | \$30.00 | _____ |
| CROP INSURANCE | ACRE | 1.00 | \$20.00 | \$20.00 | _____ |
| DRYING & CLEANING | TON | 1.33 | \$50.00 | \$66.70 | _____ |
| STATE CHECK-OFF FEE | TON | 2.00 | \$2.00 | \$4.00 | _____ |
| NATIONAL ASSESSMENT ** | ACRE | 1.00 | \$7.10 | \$7.10 | _____ |
| TRACTOR/MACHINERY | ACRE | 1.00 | \$70.09 | \$70.09 | _____ |
| LABOR | HRS | 3.74 | \$11.25 | \$42.08 | _____ |
| INTEREST ON OP. CAP. | DOL. | \$389.32 | 5.0% | \$19.47 | _____ |
| TOTAL VARIABLE COSTS: | | | | \$798.10 | ===== |
| 3. INCOME ABOVE VARIABLE COSTS: | | | | \$201.90 | ===== |
| 4. FIXED COSTS | | | | | |
| TRACTOR/MACHINERY | ACRE | 1.00 | \$142.30 | \$142.30 | _____ |
| IRRIGATION | ACRE | 1.00 | \$100.00 | \$100.00 | _____ |
| TOTAL FIXED COSTS: | | | | \$242.30 | ===== |
| 5. OTHER COSTS | | | | | |
| LAND RENT | ACRE | 1.00 | \$60.00 | \$60.00 | _____ |
| GENERAL OVERHEAD | DOL. | \$798.10 | 7.0% | \$55.87 | _____ |
| TOTAL OTHER COSTS: | | | | \$115.87 | ===== |
| 6. TOTAL COSTS: | | | | \$1,156.27 | ===== |
| 7. NET RETURNS TO RISK AND MANAGEMENT: | | | | -\$156.27 | ===== |

| <u>BREAK-EVEN YIELD</u> | | <u>BREAK-EVEN PRICE</u> | |
|-------------------------|----------|-------------------------|---------|
| VARIABLE COSTS | 3242 LBS | VARIABLE COSTS | \$0.200 |
| TOTAL COSTS | 4948 LBS | TOTAL COSTS | \$0.289 |

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

** 4 IRRIGATIONS OF 1 INCH PER ACRE

*** NATIONAL ASSESSMENT IS 1% OF GROSS RECEIPT AT LOAN RATE AND IS ALSO NAMED NATIONAL PROMOTION AND RESEARCH.

| PEANUTS - IRRIGATED - STRIP TILL | | | | | | |
|--|----------------------------|------------|-------------|---------------|----------------|-------------|
| PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 4000 YIELD PEANUTS | | | | | | |
| MONTH | OPERATION | TIMES OVER | LABOR HOURS | MACHINE HOURS | VARIABLE COSTS | FIXED COSTS |
| 5 | PLANTER W/ SPRAYER 8-ROW | 1.00 | 0.13 | 0.12 | \$3.12 | \$4.62 |
| 4-9 | SELF PROPELLED SPRAYER 90' | 9.00 | 0.10 | 0.09 | \$7.11 | \$8.82 |
| 10 | DIGGER INVERTER 6-ROW | 1.00 | 0.37 | 0.34 | \$16.94 | \$20.03 |
| 10 | PEANUT COMBINE 4-ROW | 1.00 | 0.61 | 0.55 | \$28.89 | \$82.34 |
| 10 | PEANUT DUMP CART | 1.00 | 0.45 | 0.41 | \$14.03 | \$26.49 |
| PER ACRE TOTALS FOR SELECTED OPERATIONS | | | 1.66 | 1.51 | 70.09 | 142.30 |
| UNALLOCATED LABOR(HRS./AC.) | | | 2.08 | | | |

| INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES | | | | | | |
|--|-----------------|-----------|-----------|----------|----------|----------|
| YIELD | PRICE (\$/lbs.) | | | | | |
| | LBS. | \$0.21 | \$0.23 | \$0.25 | \$0.27 | \$0.29 |
| 3000 | | -\$171.45 | -\$111.45 | -\$51.45 | \$8.55 | \$68.55 |
| 3500 | | -\$84.98 | -\$14.98 | \$55.02 | \$125.03 | \$195.03 |
| 4000 | | \$1.50 | \$81.50 | \$161.50 | \$241.50 | \$321.50 |
| 4500 | | \$87.97 | \$177.98 | \$267.98 | \$357.98 | \$447.98 |
| 5000 | | \$174.45 | \$274.45 | \$374.45 | \$474.45 | \$574.45 |

| CHEMICAL USE ASSUMPTIONS FOR 4000 YIELD PEANUTS | | | | | | |
|---|------|----------|--------------------|----------------|----------------|--|
| | UNIT | QUANTITY | PRICE OR COST/UNIT | TOTAL PER ACRE | MONTH | |
| HERBICIDES: | | | | | | |
| glyphosate (Roundup ultra) | QT | 1.50 | \$5.69 | \$8.53 | APR | |
| 2,4-D | PT | 1.50 | \$2.13 | \$3.19 | APR | |
| pendimethalin (Prowl) | PT | 2.30 | \$6.31 | \$14.52 | APR | |
| flumioxazin (Valor) | OZ | 3.00 | \$7.06 | \$21.19 | MAY | |
| metolachlor (Dual Magnum) | OZ | 16.00 | \$0.91 | \$14.50 | JUN | |
| paraquat (Gramoxone Extra) | PT | 0.75 | \$4.75 | \$3.56 | JUN | |
| imazapic (Cadre) | OZ | 4.00 | \$4.29 | \$17.14 | JUN | |
| 2, 4-DB | PT | 1.00 | \$4.05 | \$4.05 | JUN | |
| lactofen (Cobra) | OZ | 12.50 | \$1.01 | \$12.59 | JUL | |
| clethodim (Select) | OZ | 8.00 | \$0.76 | \$6.09 | JUL | |
| 2,4-D | PT | 1.00 | \$2.13 | \$2.13 | JUL | |
| INSECTICIDES: | | | | | | |
| lambda-cyhalothrin (Karate-Z) | OZ | 1.60 | \$2.77 | \$4.44 | AUG | |
| phorate (Thimet) | LB | 5.00 | \$3.33 | \$16.65 | MAY | |
| FUNGICIDES: | | | | | | |
| chlorothalonil (Bravo) | PT | 4.50 | \$5.56 | \$25.03 | UN/JUL/AUG/SEP | |
| prothioconazole+tebuconazole (Provost) | OZ | 20.00 | \$2.49 | \$49.84 | 2X JUL/AUG | |
| flutolanil+propiconazole (Artisan) | OZ | 32.00 | \$0.96 | \$30.63 | AUG/SEP | |
| GROWTH REGULATOR: | | | | | | |
| prohexadione calcium (Apogee) | OZ | 4.80 | \$5.09 | \$24.45 | 2X JUL | |
| TOTAL: | | | | \$258.53 | | |

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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