

**Estimating 2009 Costs of Production, Cotton
 Southern Arkansas, Non-Irrigated, 8 Row, Stale Seedbed, Roundup Ready Flex**

AG-1172-11-08

| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|---------------------------------|-------|---------|----------|---------|-----------|
| | | dollars | | dollars | |
| DIRECT EXPENSES | | | | | |
| HARVEST AIDS | | | | | |
| Dropp SC | oz | 2.37 | 1.6000 | 3.79 | _____ |
| Prep | pt | 4.41 | 2.0000 | 8.82 | _____ |
| FERTILIZERS | | | | | |
| 0-40-90-10-1 | acre | 131.58 | 1.0000 | 131.58 | _____ |
| Urea, Solid (46% N) | lb. | 0.30 | 174.0000 | 52.20 | _____ |
| HERBICIDES | | | | | |
| Glyphosate Plus | pt | 4.82 | 10.0000 | 48.20 | _____ |
| Clarity | pt | 10.87 | 0.5000 | 5.44 | _____ |
| Reflex 2LC | pt | 13.34 | 1.0000 | 13.34 | _____ |
| Dual II Magnum | pt | 13.15 | 1.0000 | 13.15 | _____ |
| Diuron 80% | lb | 4.64 | 1.0000 | 4.64 | _____ |
| INSECTICIDES | | | | | |
| Acephate 90% | lb | 7.97 | 1.2200 | 9.72 | _____ |
| Centric 40WG | oz | 4.45 | 2.0000 | 8.90 | _____ |
| Trimax | oz | 4.13 | 1.5000 | 6.20 | _____ |
| Karate Z | oz | 3.09 | 4.0000 | 12.36 | _____ |
| Tracer | oz | 6.58 | 4.2600 | 28.03 | _____ |
| Bidrin 8WM | oz | 0.86 | 8.0000 | 6.88 | _____ |
| CROP SEED | | | | | |
| Cotton Seed RRF | thous | 0.58 | 48.0000 | 27.84 | _____ |
| Insecticide Seed Trt | thous | 0.18 | 48.0000 | 8.90 | _____ |
| Fungicide Seed Trt | thou | 0.15 | 48.0000 | 7.29 | _____ |
| TECHNOLOGY FEE | | | | | |
| RR Flex Tech Fee S | thous | 1.00 | 48.0000 | 48.00 | _____ |
| Eradication Fee | acre | 8.00 | 1.0000 | 8.00 | _____ |
| CUSTOM HIRE | | | | | |
| Cstm Ap Grd Fert | acre | 6.00 | 1.0000 | 6.00 | _____ |
| Insect Scouting | acre | 10.00 | 1.0000 | 10.00 | _____ |
| Cstm Ap Air Insect | acre | 7.50 | 5.0000 | 37.50 | _____ |
| OPERATOR LABOR | | | | | |
| Tractors | hour | 9.92 | 1.0763 | 10.69 | _____ |
| Self-Propelled | hour | 9.92 | 0.3635 | 3.58 | _____ |
| HAND LABOR | | | | | |
| Implements | hour | 8.60 | 0.4078 | 3.51 | _____ |
| Self-Propelled | hour | 8.60 | 0.3106 | 2.70 | _____ |
| DIESEL FUEL | | | | | |
| Tractors | gal | 2.60 | 9.6176 | 25.00 | _____ |
| Self-Propelled | gal | 2.60 | 3.9824 | 10.36 | _____ |
| REPAIR & MAINTENANCE | | | | | |
| Implements | acre | 8.42 | 1.0000 | 8.42 | _____ |
| Tractors | acre | 3.46 | 1.0000 | 3.46 | _____ |
| Self-Propelled | acre | 10.92 | 1.0000 | 10.92 | _____ |
| INTEREST ON OP. CAP. | acre | 14.32 | 1.0000 | 14.32 | _____ |
| TOTAL DIRECT EXPENSES | | | | 599.76 | _____ |
| FIXED EXPENSES | | | | | |
| Implements | acre | 17.86 | 1.0000 | 17.86 | _____ |
| Tractors | acre | 25.12 | 1.0000 | 25.12 | _____ |
| Self-Propelled | acre | 51.12 | 1.0000 | 51.12 | _____ |
| TOTAL FIXED EXPENSES | | | | 94.10 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | 693.86 | _____ |

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**Table 2. Estimated resource use and costs for field operations, per acre
Southern Ark., Non-Irrigated, 8 Row, Stale Seedbed, RRF.
AG-1172, University of Arkansas, 2009.**

| OPERATION/ OPERATING INPUT | SIZE/ UNIT | POWER UNIT SIZE | PERF RATE | TIMES OVER | MTH | POWER UNIT COST | | EQUIPMENT COST | | ALLOC | LABOR | OPERATING/DURABLE INPUT | | | TOTAL COST | |
|--|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|-------|---------|-------|-------------------------|--------|--------|---------------|--------|
| | | | | | | DIRECT | FIXED | DIRECT | FIXED | HOURS | COST | AMOUNT | PRICE | COST | | |
| | | | | | | -----dollars----- | | | | dollars | | -----dollars----- | | | | |
| Paratill & Bed Rigid Sprayer(300-450Gal) | 4R-38 | MFWD 190 | 0.160 | 1.00 | Nov | 4.68 | 4.35 | 0.65 | 1.35 | 0.16 | 1.60 | | | | | 12.63 |
| | | 60' | 0.017 | 1.00 | Mar | 0.34 | 0.61 | | | 0.02 | 0.25 | | | | | 1.20 |
| Glyphosate Plus Clarity | pt pt | | | | | | | | | | | 2.0000 | 4.82 | 9.64 | | 9.64 |
| | | | | | | | | | | | | 0.5000 | 10.87 | 5.44 | | 5.44 |
| Disk Bed (Hipper)Fld Cstm Ap Grd Fert | 8R-38 acre | MFWD 190 | 0.074 | 1.00 | Mar | 2.15 | 2.01 | 0.34 | 1.06 | 0.07 | 0.74 | | | | | 6.30 |
| 0-40-90-10-1 Sprayer(300-450Gal) | acre 60' | | | | Mar | | | | | | | 1.0000 | 6.00 | 6.00 | | 6.00 |
| | | | | | Mar | | | | | | | 1.0000 | 131.58 | 131.58 | | 131.58 |
| Reflex 2LC | pt | | | | Apr | 0.34 | 0.61 | | | 0.02 | 0.25 | | | | | 1.20 |
| | | | | | Apr | | | | | | | 1.0000 | 13.34 | 13.34 | | 13.34 |
| Row Cond Fld Plant - Folding | 26' 8R-38 | MFWD 190 | 0.059 | 1.00 | Apr | 1.74 | 1.62 | 0.22 | 1.11 | 0.05 | 0.59 | | | | | 5.28 |
| | | 2WD 190 | 0.074 | 1.00 | Apr | 2.16 | 1.87 | 1.05 | 2.38 | 0.14 | 1.38 | | | | | 8.84 |
| Cotton Seed RRF | thous | | | | | | | | | | | 48.0000 | 0.58 | 27.84 | | 27.84 |
| RR Flex Tech Fee S | thous | | | | | | | | | | | 48.0000 | 1.00 | 48.00 | | 48.00 |
| Insecticide Seed Trt | thous | | | | | | | | | | | 48.0000 | 0.18 | 8.90 | | 8.90 |
| Fungicide Seed Trt | thou | | | | | | | | | | | 48.0000 | 0.15 | 7.29 | | 7.29 |
| Insect Scouting | acre | | | 1.00 | Apr | | | | | | | 1.0000 | 10.00 | 10.00 | | 10.00 |
| Eradication Fee | acre | | | 1.00 | Apr | | | | | | | 1.0000 | 8.00 | 8.00 | | 8.00 |
| Spin Spreader | 5 ton | 2WD 170 | 0.042 | 1.00 | May | 1.09 | 0.92 | 0.27 | 0.64 | 0.08 | 0.78 | | | | | 3.70 |
| Urea, Solid (46% N) Sprayer(300-450Gal) | lb. 60' | | | | May | 0.34 | 0.61 | | | 0.02 | 0.25 | | | | | 1.20 |
| | | | | | May | | | | | | | 2.0000 | 4.82 | 9.64 | | 9.64 |
| Glyphosate Plus Dual II Magnum | pt pt | | | | | | | | | | | 2.0000 | 4.82 | 9.64 | | 9.64 |
| | | | | | | | | | | | | 1.0000 | 13.15 | 13.15 | | 13.15 |
| Acephate 90% Sprayer(300-450Gal) | lb 60' | | | | May | 0.34 | 0.61 | | | 0.02 | 0.25 | | | | | 1.20 |
| | | | | | May | | | | | | | 2.0000 | 4.82 | 9.64 | | 9.64 |
| Glyphosate Plus Centric 40WG | pt oz | | | | | | | | | | | 2.0000 | 4.45 | 8.90 | | 8.90 |
| Spray (Direct/Hood) Diuron 80% | 8R-38 lb | 2WD 170 | 0.066 | 1.00 | Jun | 1.72 | 1.46 | 0.49 | 0.69 | 0.10 | 0.95 | | | | | 5.31 |
| | | | | | Jun | | | | | | | 1.0000 | 4.64 | 4.64 | | 4.64 |
| Glyphosate Plus Cstm Ap Air Insect | pt acre | | | | Jul | | | | | | | 2.0000 | 4.82 | 9.64 | | 9.64 |
| | | | | | Jul | | | | | | | 1.0000 | 7.50 | 7.50 | | 7.50 |
| Trimax | oz | | | | Jul | | | | | | | 1.5000 | 4.13 | 6.20 | | 6.20 |
| Cstm Ap Air Insect Acephate 90% | acre lb | | | | Jul | | | | | | | 1.0000 | 7.50 | 7.50 | | 7.50 |
| | | | | | Jul | | | | | | | 0.5000 | 7.97 | 3.99 | | 3.99 |
| Cstm Ap Air Insect Acephate 90% | acre lb | | | | Jul | | | | | | | 1.0000 | 7.50 | 7.50 | | 7.50 |
| | | | | | Jul | | | | | | | 0.5000 | 7.97 | 3.99 | | 3.99 |
| Cstm Ap Air Insect Karate Z | acre oz | | | | Jul | | | | | | | 1.0000 | 7.50 | 7.50 | | 7.50 |
| | | | | | Jul | | | | | | | 2.0000 | 3.09 | 6.18 | | 6.18 |
| Tracer | oz | | | | | | | | | | | 2.1300 | 6.58 | 14.02 | | 14.02 |
| Bidrin 8WM | oz | | | | | | | | | | | 8.0000 | 0.86 | 6.88 | | 6.88 |
| Cstm Ap Air Insect Karate Z | acre oz | | | | Aug | | | | | | | 1.0000 | 7.50 | 7.50 | | 7.50 |
| | | | | | Aug | | | | | | | 2.0000 | 3.09 | 6.18 | | 6.18 |
| Tracer | oz | | | | | | | | | | | 2.1300 | 6.58 | 14.02 | | 14.02 |
| Sprayer(300-450Gal) Dropp SC | 60' oz | | | | Sep | 0.34 | 0.61 | | | 0.02 | 0.25 | | | | | 1.20 |
| | | | | | Sep | | | | | | | 1.6000 | 2.37 | 3.79 | | 3.79 |
| Prep | pt | | | | | | | | | | | 2.0000 | 4.41 | 8.82 | | 8.82 |
| Cotton Picker-1st-BB | | 4R-38(255) | 0.257 | 1.00 | Oct | 19.24 | 47.46 | | | 0.51 | 4.78 | | | | | 71.48 |
| Boll Buggy-1st pick | 4R-38(255) | 2WD 170 | 0.257 | 1.00 | Oct | 6.63 | 5.63 | 1.68 | 4.06 | 0.25 | 2.56 | | | | | 20.56 |

| | | | | | | | | | | | | | |
|-------------------------------|------------|----------|-------|------|-----|-------|-------|-------|-------|-------|-------|--------|--------|
| Module Builder-1st | 4R-38(255) | 2WD 150 | 0.257 | 1.00 | Oct | 5.88 | 5.03 | 2.29 | 5.55 | 0.51 | 4.78 | 23.53 | |
| Stalk Shredder-Flail | 20' | MFWD 190 | 0.082 | 1.00 | Oct | 2.41 | 2.23 | 1.43 | 1.02 | 0.08 | 0.82 | 7.91 | |
| | | | | | | ----- | ----- | ----- | ----- | ----- | ----- | ----- | |
| TOTALS | | | | | | 49.74 | 76.24 | 8.42 | 17.86 | 2.15 | 20.48 | 506.80 | 679.54 |
| INTEREST ON OPERATING CAPITAL | | | | | | | | | | | | 14.32 | |
| UNALLOCATED LABOR | | | | | | | | | | | | 0.00 | |
| TOTAL SPECIFIED COST | | | | | | | | | | | | 693.86 | |

Information presented in this document is prepared solely as a general guide and is not intended to recognize or predict the costs and returns from any one particular farm operation. The mention of any commercial product in this analysis does not imply its endorsement by the University of Arkansas Cooperative Extension Service over other products not named, nor does the omission imply that they are not satisfactory. This budget does not include costs for land, overhead, or management.