

Estimating 2008 Costs of Production
Corn, RR, Furrow Irrigated, Clay Soils
 AG-1072-11-07
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| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|--------------------------|-------|---------|----------|---------|-----------|
| | | dollars | | dollars | |
| DIRECT EXPENSES | | | | | |
| GIN/DRY | | | | | |
| Dry Corn | bu | 0.19 | 150.0000 | 28.50 | _____ |
| FERTILIZERS | | | | | |
| 0-75-75 | acre | 55.18 | 1.0000 | 55.18 | _____ |
| Urea, Solid (46% N) | lb | 0.20 | 202.0000 | 40.40 | _____ |
| Liquid Nitrogen 32% | lb | 0.15 | 584.0000 | 87.60 | _____ |
| HERBICIDES | | | | | |
| Glyphosate Plus | pt | 1.88 | 2.0000 | 3.76 | _____ |
| Atrazine 4L | pt | 1.38 | 4.0000 | 5.52 | _____ |
| IRRIGATION SUPPLIES | | | | | |
| IrrPipe+lay+pickup | acre | 10.30 | 1.0000 | 10.30 | _____ |
| CROP SEED | | | | | |
| Corn Seed RR | thous | 1.86 | 33.0000 | 61.38 | _____ |
| Insectide treated CG | thous | 0.20 | 33.0000 | 6.60 | _____ |
| CUSTOM HIRE | | | | | |
| Cstm Ap Grd Fert | acre | 4.92 | 1.0000 | 4.92 | _____ |
| Cstm Ap Grd. Herb | acre | 5.02 | 2.0000 | 10.04 | _____ |
| Cstm Haul Corn | bu | 0.15 | 150.0000 | 22.50 | _____ |
| OPERATOR LABOR | | | | | |
| Tractors | hour | 9.45 | 0.5608 | 5.30 | _____ |
| Harvesters | hour | 9.45 | 0.1277 | 1.21 | _____ |
| IRRIGATION LABOR | | | | | |
| Furrow Irr. | hour | 8.19 | 0.3017 | 2.48 | _____ |
| HAND LABOR | | | | | |
| Implements | hour | 8.19 | 0.1433 | 1.17 | _____ |
| DIESEL FUEL | | | | | |
| Tractors | gal | 2.33 | 5.5987 | 13.05 | _____ |
| Harvesters | gal | 2.33 | 1.5772 | 3.67 | _____ |
| Furrow Irr. | gal | 2.33 | 12.0000 | 27.96 | _____ |
| REPAIR & MAINTENANCE | | | | | |
| Implements | acre | 5.24 | 1.0000 | 5.24 | _____ |
| Tractors | acre | 2.16 | 1.0000 | 2.16 | _____ |
| Harvesters | acre | 2.15 | 1.0000 | 2.15 | _____ |
| Furrow Irr. | ac-in | 0.17 | 12.0000 | 2.12 | _____ |
| INTEREST ON OP. CAP. | acre | 13.82 | 1.0000 | 13.82 | _____ |
| TOTAL DIRECT EXPENSES | | | | 417.03 | _____ |
| FIXED EXPENSES | | | | | |
| Implements | acre | 12.37 | 1.0000 | 12.37 | _____ |
| Tractors | acre | 16.43 | 1.0000 | 16.43 | _____ |
| Harvesters | acre | 10.16 | 1.0000 | 10.16 | _____ |
| Furrow Irr. | each | 2993.11 | 0.0083 | 24.94 | _____ |
| TOTAL FIXED EXPENSES | | | | 63.90 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | 480.93 | _____ |

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**Table 2. Estimated resource use and costs for field operations, per acre Corn, RR, Furrow Irrigated, Clay Soils
Arkansas, 2008, University of Arkansas**

| OPERATION/ OPERATING INPUT | SIZE/ UNIT | POWER UNIT SIZE | PERF RATE | TIMES OVER | MTH | POWER UNIT COST | | EQUIPMENT COST | | ALLOC HOURS | LABOR COST | OPERATING/DURABLE INPUT | | | TOTAL COST | |
|-------------------------------|---------------|--------------------|--------------|---------------|-----|-------------------|-------|----------------|-------|----------------|---------------|-------------------------|-------|--------|---------------|--------|
| | | | | | | DIRECT | FIXED | DIRECT | FIXED | | | AMOUNT | PRICE | COST | | |
| | | | | | | -----dollars----- | | | | dollars | | -----dollars----- | | | | |
| Disk Harrow | 28' | MFWD 225 | 0.070 | 1.00 | Nov | 2.20 | 2.36 | 0.59 | 1.53 | 0.07 | 0.66 | | | | | 7.34 |
| Chisel Plow(Folding) | 24' | MFWD 190 | 0.076 | 1.00 | Nov | 2.03 | 2.18 | 0.66 | 1.44 | 0.07 | 0.72 | | | | | 7.03 |
| Cstm Ap Grd Fert | acre | | | 1.00 | Mar | | | | | | | 1.0000 | 4.92 | 4.92 | | 4.92 |
| 0-75-75 | acre | | | | | | | | | | | 1.0000 | 55.18 | 55.18 | | 55.18 |
| Urea, Solid (46% N) lb | | | | | | | | | | | | 202.0000 | 0.20 | 40.40 | | 40.40 |
| Field Cultivate Fld | 32' | MFWD 225 | 0.046 | 1.00 | Mar | 1.47 | 1.57 | 0.33 | 1.72 | 0.04 | 0.44 | | | | | 5.53 |
| Disk Bed (Hipper) | 8R-30 | MFWD 190 | 0.093 | 1.00 | Mar | 2.49 | 2.67 | 0.28 | 0.92 | 0.09 | 0.89 | | | | | 7.25 |
| Row Cond (Harrow)Rdg | 26' | MFWD 190 | 0.057 | 1.00 | Apr | 1.52 | 1.63 | 0.14 | 0.71 | 0.05 | 0.54 | | | | | 4.54 |
| Plant - Rigid | 8R-30 | MFWD 170 | 0.094 | 1.00 | Apr | 2.25 | 2.55 | 0.91 | 2.16 | 0.18 | 1.66 | | | | | 9.53 |
| Corn Seed RR | thous | | | | | | | | | | | 33.0000 | 1.86 | 61.38 | | 61.38 |
| Insectide treated | CG thous | | | | | | | | | | | 33.0000 | 0.20 | 6.60 | | 6.60 |
| Cstm Ap Grd. Herb | acre | | | 1.00 | May | | | | | | | 1.0000 | 5.02 | 5.02 | | 5.02 |
| Glyphosate Plus | pt | | | | | | | | | | | 1.0000 | 1.88 | 1.88 | | 1.88 |
| Atrazine 4L | pt | | | | | | | | | | | 2.0000 | 1.38 | 2.76 | | 2.76 |
| Fert Appl (Liquid) | 8R-30 | MFWD 190 | 0.098 | 1.00 | May | 2.61 | 2.79 | 0.93 | 1.29 | 0.14 | 1.33 | | | | | 8.95 |
| Liquid Nitrogen 32% lb | | | | | | | | | | | | 584.0000 | 0.15 | 87.60 | | 87.60 |
| Cstm Ap Grd. Herb | acre | | | 1.00 | Jun | | | | | | | 1.0000 | 5.02 | 5.02 | | 5.02 |
| Glyphosate Plus | pt | | | | | | | | | | | 1.0000 | 1.88 | 1.88 | | 1.88 |
| Atrazine 4L | pt | | | | | | | | | | | 2.0000 | 1.38 | 2.76 | | 2.76 |
| IrrPipe+lay+pickup | acre | | | 1.00 | Jun | | | | | | | 1.0000 | 10.30 | 10.30 | | 10.30 |
| Harvest | | | | 1.00 | Sep | | | | | | | | | | | |
| Header - Corn | 8R-30 | 240hp | 0.127 | | | 5.82 | 10.16 | 1.30 | 2.39 | 0.12 | 1.21 | | | | | 20.88 |
| Cstm Haul Corn | bu | | | | | | | | | | | 150.0000 | 0.15 | 22.50 | | 22.50 |
| Dry Corn | bu | | | | | | | | | | | 150.0000 | 0.19 | 28.50 | | 28.50 |
| Harvest | | | | 0.75 | Sep | | | | | | | | | | | |
| Corn Grain Cart | 8R30 500 bu | MFWD 190 | 0.031 | | | 0.64 | 0.68 | 0.10 | 0.21 | 0.02 | 0.23 | | | | | 1.86 |
| Furrow Irr. | each | | | 1.00 | Jun | | | | 24.94 | | | 0.0083 | | | | 24.94 |
| Application 1 | ac-in | | | | | | | 7.52 | | 0.07 | 0.62 | 3.0000 | | | | 8.14 |
| Application 2 | ac-in | | | | | | | 7.52 | | 0.07 | 0.62 | 3.0000 | | | | 8.14 |
| Application 3 | ac-in | | | | | | | 7.52 | | 0.07 | 0.62 | 3.0000 | | | | 8.14 |
| Application 4 | ac-in | | | | | | | 7.52 | | 0.07 | 0.62 | 3.0000 | | | | 8.14 |
| TOTALS | | | | | | 21.03 | 26.59 | 35.32 | 37.31 | 1.13 | 10.16 | | | 336.70 | | 467.11 |
| INTEREST ON OPERATING CAPITAL | | | | | | | | | | | | | | | | 13.82 |
| UNALLOCATED LABOR | | | | | | | | | | | | | | | | 0.00 |
| TOTAL SPECIFIED COST | | | | | | | | | | | | | | | | 480.93 |

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