

Estimating 2004 Costs of Production

SWEET CORN

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 AG-809-04-04

| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|---------------------------------|------|---------|----------|---------------|-----------|
| | | dollars | | dollars | |
| DIRECT EXPENSES | | | | | |
| FERTILIZER | acre | 126.84 | 1.0000 | 126.84 | _____ |
| HERBICIDE | acre | 4.88 | 1.0000 | 4.88 | _____ |
| INSECTICIDE | acre | 104.43 | 1.0000 | 104.43 | _____ |
| SEED/PLANTS | acre | 50.88 | 1.0000 | 50.88 | _____ |
| OTHER | acre | 296.00 | 1.0000 | 296.00 | _____ |
| OPERATOR LABOR | hour | 9.54 | 2.0779 | 19.82 | _____ |
| HARVEST LABOR | hour | 6.44 | 31.0000 | 199.64 | _____ |
| GRADE & PACK LABOR | hour | 6.44 | 5.0000 | 32.20 | _____ |
| HAND LABOR | hour | 6.44 | 0.3627 | 2.33 | _____ |
| DIESEL FUEL | gal | 1.05 | 8.3402 | 8.75 | _____ |
| REPAIR & MAINTENANCE | acre | 23.14 | 1.0000 | 23.14 | _____ |
| INTEREST ON OP. CAP. | acre | 7.03 | 1.0000 | 7.03 | _____ |
| | | ----- | | | |
| TOTAL DIRECT EXPENSES | | | | 875.94 | _____ |
| TOTAL FIXED EXPENSES | | | | 43.80 | _____ |
| | | ----- | | | |
| TOTAL SPECIFIED EXPENSES | | | | 919.74 | _____ |

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Table 2. Estimated resource use and costs for field operations per acre, Sweet Corn Arkansas, 2004 (MALTA Project)

| 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----- | | | |
| Lime (Spread) | ton | | | 0.33 | Jan | | | | | | | 0.4950 | 28.77 | 14.24 | 14.24 |
| Chisel Plow | 9 Ft | 2WD 75 hp | 0.220 | 1.00 | Feb | 1.34 | 0.96 | 0.15 | 0.26 | 0.22 | 2.10 | | | | 4.81 |
| Disk Harrow | 10 Ft | 2WD 75 hp | 0.198 | 2.00 | Feb | 2.43 | 1.73 | 0.42 | 0.89 | 0.39 | 3.78 | | | | 9.25 |
| Disk Bed +App Fert | 4-Row | 2WD 75 hp | 0.141 | 1.00 | Mar | 0.86 | 0.62 | 0.34 | 0.91 | 0.21 | 1.80 | | | | 4.53 |
| Fert 13-13-13 | cwt | | | | | | | | | | | 7.5000 | 11.56 | 86.70 | 86.70 |
| Cultivate | 4-Row | 2WD 75 hp | 0.193 | 1.00 | Mar | 1.19 | 0.85 | 0.11 | 0.30 | 0.19 | 1.85 | | | | 4.30 |
| Plntr-vacuum+insect | 4R30-40" | 2WD 75 hp | 0.226 | 1.00 | Mar | 1.39 | 0.99 | 16.91 | 26.89 | 0.22 | 2.16 | | | | 48.34 |
| Sweet Corn-OP | lb | | | | | | | | | | | 6.0000 | 8.48 | 50.88 | 50.88 |
| Furadan 4 F | pt | | | | | | | | | | | 2.0000 | 9.51 | 19.02 | 19.02 |
| Cult + App Herb | 4-Row | 2WD 75 hp | 0.193 | 1.00 | Mar | 1.19 | 0.85 | 0.17 | 0.46 | 0.29 | 2.47 | | | | 5.14 |
| Atrazine 4L | pt | | | | | | | | | | | 4.0000 | 1.22 | 4.88 | 4.88 |
| Cultivate+Sidedress | 2-Row | 2WD 75 hp | 0.390 | 1.00 | Apr | 2.39 | 1.71 | 0.44 | 1.16 | 0.58 | 4.99 | | | | 10.69 |
| Amm Nitrate (34%) | cwt | | | | | | | | | | | 2.0000 | 12.95 | 25.90 | 25.90 |
| Sprayer(300-450gal) | | 47 ft | 0.022 | 7.00 | May | 1.38 | 3.33 | | | 0.15 | 1.50 | | | | 6.21 |
| Lannate LV | pt | | | | | | | | | | | 9.1000 | 6.57 | 59.79 | 59.79 |
| Sprayer(300-450gal) | | 47 ft | 0.022 | 3.00 | Jun | 0.59 | 1.43 | | | 0.06 | 0.64 | | | | 2.66 |
| Lannate LV | pt | | | | | | | | | | | 3.9000 | 6.57 | 25.62 | 25.62 |
| Trailer - Vegetables | | 2WD 75 hp | 0.090 | 1.00 | Jun | 0.55 | 0.39 | 0.04 | 0.07 | 0.09 | 0.86 | | | | 1.91 |
| HARVEST LABOR | hour | | | | | | | | | 31.00 | 199.64 | | | | 199.64 |
| GRADE & PACK LABOR | hour | | | 1.00 | Jun | | | | | 5.00 | 32.20 | | | | 32.20 |
| Crates | each | | | | | | | | | | | 160.0000 | 1.15 | 184.00 | 184.00 |
| Ice + Cooling | crat | | | | | | | | | | | 160.0000 | 0.70 | 112.00 | 112.00 |
| TOTALS | | | | | | 13.31 | 12.86 | 18.58 | 30.94 | 38.44 | 253.99 | | | 583.03 | 912.71 |
| INTEREST ON OPERATING CAPITAL | | | | | | | | | | | | | | | 7.03 |
| UNALLOCATED LABOR | | | | | | | | | | | | | | | 0.00 |
| TOTAL SPECIFIED COST | | | | | | | | | | | | | | | 919.74 |

Note: Cost of production estimates are based on last year's input prices.

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AG-809-04-04