

*Projections for Planning Purposes Only
Not to be Used without Updating after October 15, 2003*

Table 31.A Estimated costs and returns per Acre
Forage Sorghum, Furrow Irrigated, (Natural Gas)
2004 Projected Costs and Returns per Acre

| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|--|-------|---------|----------|---------|-----------|
| | | dollars | | dollars | |
| INCOME | | | | | |
| grazing - sorghum | lb. | 0.35 | 300.0000 | 105.00 | _____ |
| | | | | ----- | |
| TOTAL INCOME | | | | 105.00 | _____ |
| DIRECT EXPENSES | | | | | |
| SEED | | | | | |
| seed - sorghum | lb. | 1.15 | 20.0000 | 23.00 | _____ |
| FERTILIZER | | | | | |
| fert(N) - ANH3 | lb. | 0.17 | 150.0000 | 26.10 | _____ |
| CUSTOM | | | | | |
| fert appl - ANH3 | acre | 6.60 | 1.0000 | 6.60 | _____ |
| OPERATOR LABOR | | | | | |
| Implements | hour | 8.00 | 0.9979 | 7.98 | _____ |
| Tractors | hour | 8.00 | 1.0437 | 8.34 | _____ |
| HAND LABOR | | | | | |
| Implements | hour | 8.00 | 0.2121 | 1.69 | _____ |
| IRRIGATION LABOR | | | | | |
| irrigation - nat.gas | hour | 8.00 | 1.4050 | 11.24 | _____ |
| DIESEL FUEL | | | | | |
| Tractors | gal | 1.06 | 3.7777 | 4.00 | _____ |
| GASOLINE | | | | | |
| Self-Propelled Eq. | gal | 1.47 | 2.0100 | 2.95 | _____ |
| NATURAL GAS | | | | | |
| irrigation - nat.gas | Mcf | 5.35 | 10.0000 | 53.50 | _____ |
| REPAIR & MAINTENANCE | | | | | |
| Implements | Acre | 5.47 | 1.0000 | 5.47 | _____ |
| Tractors | Acre | 8.96 | 1.0000 | 8.96 | _____ |
| Self-Propelled Eq. | Acre | 0.16 | 1.0000 | 0.16 | _____ |
| irrigation - nat.gas | ac-in | 1.80 | 10.0000 | 18.00 | _____ |
| INTEREST ON OP. CAP. | Acre | 4.98 | 1.0000 | 4.98 | _____ |
| | | | | ----- | |
| TOTAL DIRECT EXPENSES | | | | 183.01 | _____ |
| RETURNS ABOVE DIRECT EXPENSES | | | | -78.01 | _____ |
| FIXED EXPENSES | | | | | |
| Implements | Acre | 10.10 | 1.0000 | 10.10 | _____ |
| Tractors | Acre | 12.47 | 1.0000 | 12.47 | _____ |
| Self-Propelled Eq. | Acre | 0.25 | 1.0000 | 0.25 | _____ |
| irrigation - nat.gas | Acre | 24.62 | 1.0000 | 24.62 | _____ |
| | | | | ----- | |
| TOTAL FIXED EXPENSES | | | | 47.44 | _____ |
| | | | | ----- | |
| TOTAL SPECIFIED EXPENSES | | | | 230.46 | _____ |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES | | | | -125.46 | _____ |
| ALLOCATED COST ITEMS | | | | | |
| cash rent - sorghumf | acre | 45.00 | 1.0000 | 45.00 | _____ |
| RESIDUAL RETURNS | | | | -170.46 | _____ |

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Table 31.B Estimated resource use and costs for field operations, per Acre
Forage Sorghum, Furrow Irrigated, (Natural Gas)
2004 Projected Costs and Returns per Acre

| OPERATION/ OPERATING INPUT | SIZE/ UNIT | TRACTOR SIZE | PERF TIMES | | | TRACTOR COST | | EQUIP COST | | ALLOC LABOR | | OPERATING INPUT | | | TOTAL COST | |
|-------------------------------|---------------|-----------------|------------|-------|-----|-------------------|-------|------------|-------|-------------|-------|-------------------|-------|-------|---------------|--------|
| | | | RATE | OVER | MTH | DIRECT | FIXED | DIRECT | FIXED | HOURS | COST | AMOUNT | PRICE | COST | | |
| | | | | | | -----dollars----- | | | | dollars | | -----dollars----- | | | | |
| shredder | 4 row | 40 | 0.209 | 1.00 | Nov | 1.93 | 1.70 | 0.80 | 2.36 | 0.460 | 3.68 | | | | | 10.50 |
| chisel | | 125 | 0.099 | 1.00 | Feb | 2.29 | 2.47 | 0.69 | 1.15 | 0.219 | 1.75 | | | | | 8.36 |
| fert(N) - ANH3 | lb. | | | 1.00 | Mar | | | | | | | 150.0000 | 0.17 | 26.10 | | 26.10 |
| fert appl - ANH3 | acre | | | | | | | | | | | 1.0000 | 6.60 | 6.60 | | 6.60 |
| disc | tandem | 100 | 0.138 | 1.00 | Apr | 2.63 | 2.87 | 1.52 | 2.23 | 0.303 | 2.42 | | | | | 11.69 |
| box float | | 40 | 0.327 | 1.00 | Apr | 3.02 | 2.66 | 0.50 | 1.19 | 0.720 | 5.76 | | | | | 13.14 |
| bedder | | 150 | 0.057 | 1.00 | Apr | 1.12 | 1.02 | 0.44 | 0.64 | 0.125 | 1.00 | | | | | 4.23 |
| Pickup Truck | 3/4 ton | | 0.006 | 20.00 | Apr | | | 3.11 | 0.25 | | | | | | | 3.37 |
| irrigation - nat.gas | ac-in | | | 1.00 | May | | | 42.90 | 24.62 | 0.843 | 6.74 | 6.0000 | | | | 74.26 |
| grain drill | | 40 | 0.212 | 1.00 | May | 1.95 | 1.72 | 1.50 | 2.51 | 0.424 | 3.39 | | | | | 11.09 |
| seed - sorghum | lb. | | | | | | | | | | | 20.0000 | 1.15 | 23.00 | | 23.00 |
| irrigation - nat.gas | ac-in | | | 1.00 | Jun | | | 28.60 | | 0.562 | 4.49 | 4.0000 | | | | 33.09 |
| TOTALS | | | | | | 12.96 | 12.47 | 80.09 | 34.97 | 3.658 | 29.26 | | | | 55.70 | 225.48 |
| INTEREST ON OPERATING CAPITAL | | | | | | | | | | | | | | | | 4.98 |
| UNALLOCATED LABOR | | | | | | | | | | | | | | | | 0.00 |
| TOTAL SPECIFIED COST | | | | | | | | | | | | | | | | 230.46 |

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