

Table 17.A Estimated costs and returns per Acre
Sorghum, Irrigated
2009 Projected Costs and Returns per Acre

| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|--|-------|---------|----------|---------|-----------|
| | | dollars | | dollars | |
| INCOME | | | | | |
| sorghum | cwt | 8.40 | 65.0000 | 546.00 | _____ |
| | | | | ----- | |
| TOTAL INCOME | | | | 546.00 | _____ |
| DIRECT EXPENSES | | | | | |
| SEED | | | | | |
| seed sorghum | lb | 1.00 | 5.5000 | 5.50 | _____ |
| CROP INSURANCE | | | | | |
| crop ins. sorg i | acre | 4.25 | 1.0000 | 4.25 | _____ |
| INSECTICIDE | | | | | |
| insect sorghum | acre | 7.50 | 1.0000 | 7.50 | _____ |
| FERTILIZER | | | | | |
| nitrogen n32 | lb | 0.60 | 120.0000 | 72.00 | _____ |
| phospate | lb | 0.74 | 40.0000 | 29.60 | _____ |
| MISC ADMIN O/H | | | | | |
| mis admin o/h sorg | acre | 4.00 | 0.3000 | 1.20 | _____ |
| HERBICIDES | | | | | |
| herbicide sorghum | acre | 10.00 | 1.0000 | 10.00 | _____ |
| CUSTOM | | | | | |
| herb appl | acre | 4.50 | 1.0000 | 4.50 | _____ |
| insec appl - milo | acre | 5.50 | 0.5000 | 2.75 | _____ |
| cstm hvst sorg irr | acre | 20.00 | 1.0000 | 20.00 | _____ |
| cstm haul sorghum | cwt | 0.30 | 65.0000 | 19.50 | _____ |
| cstm hvst sorghum | cwt | 0.25 | 65.0000 | 16.25 | _____ |
| IRRIGATION | | | | | |
| irrigation costs | ac/in | 6.00 | 8.5000 | 51.00 | _____ |
| OPERATOR LABOR | | | | | |
| Tractors | hour | 11.00 | 1.6260 | 17.88 | _____ |
| IRRIGATION LABOR | | | | | |
| irr system 1 | hour | 11.00 | 0.4250 | 4.67 | _____ |
| DIESEL FUEL | | | | | |
| Tractors | gal | 2.00 | 7.9814 | 15.96 | _____ |
| GASOLINE | | | | | |
| Pick-up, 3/4 ton | gal | 1.80 | 0.9100 | 1.63 | _____ |
| REPAIR & MAINTENANCE | | | | | |
| Implements | Acre | 5.94 | 1.0000 | 5.94 | _____ |
| Tractors | Acre | 12.40 | 1.0000 | 12.40 | _____ |
| Pick-up, 3/4 ton | acre | 1.00 | 1.0000 | 1.00 | _____ |
| irr system 1 | ac/in | 0.17 | 8.5000 | 1.44 | _____ |
| INTEREST ON OP. CAP. | Acre | 6.92 | 1.0000 | 6.92 | _____ |
| | | | | ----- | |
| TOTAL DIRECT EXPENSES | | | | 311.92 | _____ |
| RETURNS ABOVE DIRECT EXPENSES | | | | 234.07 | _____ |
| FIXED EXPENSES | | | | | |
| Implements | Acre | 11.32 | 1.0000 | 11.32 | _____ |
| Tractors | Acre | 21.35 | 1.0000 | 21.35 | _____ |
| Pick-up, 3/4 ton | acre | 3.60 | 1.0000 | 3.60 | _____ |
| irr system 1 | ac/in | 0.20 | 8.5000 | 1.73 | _____ |
| | | | | ----- | |
| TOTAL FIXED EXPENSES | | | | 38.01 | _____ |
| | | | | ----- | |
| TOTAL SPECIFIED EXPENSES | | | | 349.94 | _____ |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES | | | | 196.05 | _____ |
| ALLOCATED COST ITEMS | | | | | |
| cash rent sorg irr | acre | 65.00 | 1.0000 | 65.00 | _____ |
| RESIDUAL RETURNS | | | | 131.05 | _____ |

Projections for Planning Purposes Only
Not to be Used without Updating after January 1, 2009

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Table 17.B Estimated resource use and costs for field operations, per Acre
Sorghum, Irrigated
2009 Projected Costs and Returns per Acre

| OPERATION/ OPERATING INPUT | SIZE/ UNIT | TRACTOR SIZE | PERF RATE | TIMES OVER | MTH | TRACTOR COST | | EQUIP COST | | ALLOC LABOR | | OPERATING INPUT | | | TOTAL COST | |
|-------------------------------|---------------|-----------------|--------------|---------------|-----|-------------------|-------|------------|-------|-------------|-------|-------------------|-------|--------|---------------|--------|
| | | | | | | DIRECT | FIXED | DIRECT | FIXED | HOURS | COST | AMOUNT | PRICE | COST | | |
| | | | | | | -----dollars----- | | | | dollars | | -----dollars----- | | | | |
| shredder | | 100 | 0.130 | 1.00 | Jul | 2.82 | 2.10 | 0.61 | 0.86 | 0.130 | 1.43 | | | | | 7.82 |
| chisel | | 225 | 0.110 | 1.00 | Aug | 4.80 | 3.78 | 0.33 | 0.53 | 0.110 | 1.21 | | | | | 10.66 |
| offset disc | 12-foot | 125 | 0.130 | 1.00 | Aug | 3.05 | 2.30 | 0.50 | 1.09 | 0.130 | 1.43 | | | | | 8.38 |
| offset disc | 12-foot | 125 | 0.130 | 1.00 | Dec | 3.05 | 2.30 | 0.50 | 1.09 | 0.130 | 1.43 | | | | | 8.38 |
| fertilizer spreader | | 150 | 0.153 | 1.00 | Jan | 4.09 | 3.01 | 1.15 | 2.12 | 0.384 | 4.23 | | | | | 14.62 |
| crop ins. sorg i | acre | | | | | | | | | | | 1.0000 | 4.25 | 4.25 | | 4.25 |
| irrigation costs | ac/in | | | | | | | | | | | 1.5000 | 6.00 | 9.00 | | 9.00 |
| nitrogen n32 | lb | | | | | | | | | | | 120.0000 | 0.60 | 72.00 | | 72.00 |
| phospate | lb | | | | | | | | | | | 40.0000 | 0.74 | 29.60 | | 29.60 |
| bedder | 6-row | 150 | 0.114 | 1.00 | Jan | 3.03 | 2.23 | 0.60 | 1.10 | 0.285 | 3.13 | | | | | 10.10 |
| planter-max emerge m | | 150 | 0.100 | 1.00 | Mar | 2.66 | 1.95 | 0.96 | 1.76 | 0.250 | 2.75 | | | | | 10.09 |
| seed sorghum | lb | | | | | | | | | | | 5.5000 | 1.00 | 5.50 | | 5.50 |
| insect sorghum | acre | | | | | | | | | | | 1.0000 | 7.50 | 7.50 | | 7.50 |
| irrigation costs | ac/in | | | | | | | | | | | 1.0000 | 6.00 | 6.00 | | 6.00 |
| cultivator 8 row | 8 row | 125 | 0.103 | 1.00 | Mar | 2.42 | 1.82 | 0.63 | 1.37 | 0.103 | 1.13 | | | | | 7.38 |
| Pick-up, 3/4 ton | acre | | | | | | | 2.63 | 3.60 | | | 1.0000 | | | | 6.23 |
| herbicide sorghum | acre | | | 1.00 | Apr | | | | | | | 1.0000 | 10.00 | 10.00 | | 10.00 |
| herb appl | acre | | | | | | | | | | | 1.0000 | 4.50 | 4.50 | | 4.50 |
| irrigation costs | ac/in | | | | | | | | | | | 2.0000 | 6.00 | 12.00 | | 12.00 |
| irrigation costs | ac/in | | | 1.00 | May | | | | | | | 2.0000 | 6.00 | 12.00 | | 12.00 |
| cultivator 8 row | 8 row | 125 | 0.103 | 1.00 | May | 2.42 | 1.82 | 0.63 | 1.37 | 0.103 | 1.13 | | | | | 7.38 |
| insec appl - milo | acre | | | 0.50 | May | | | | | | | 0.5000 | 5.50 | 2.75 | | 2.75 |
| irrigation costs | ac/in | | | 1.00 | Jun | | | | | | | 2.0000 | 6.00 | 12.00 | | 12.00 |
| mis admin o/h sorg | acre | | | | | | | | | | | 0.3000 | 4.00 | 1.20 | | 1.20 |
| irr system 1 | ac/in | | | 1.00 | Jul | | | 1.44 | 1.73 | 0.425 | 4.67 | 8.5000 | | | | 7.85 |
| cstm hvst sorg irr | acre | | | | | | | | | | | 1.0000 | 20.00 | 20.00 | | 20.00 |
| cstm haul sorghum | cwt | | | | | | | | | | | 65.0000 | 0.30 | 19.50 | | 19.50 |
| cstm hvst sorghum | cwt | | | | | | | | | | | 65.0000 | 0.25 | 16.25 | | 16.25 |
| TOTALS | | | | | | 28.36 | 21.35 | 10.02 | 16.66 | 2.051 | 22.56 | | | 244.05 | | 343.01 |
| INTEREST ON OPERATING CAPITAL | | | | | | | | | | | | | | | | 6.92 |
| UNALLOCATED LABOR | | | | | | | | | | | | | | | | 0.00 |
| TOTAL SPECIFIED COST | | | | | | | | | | | | | | | | 349.94 |