**2021 Estimated Costs and Returns per Acre**
**Sorghum (Nitrogen Fertilizer Only)**
**North Texas Extension District - 4**

| | | Your Acres | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Crop Acres | 500 | | | | | | | |
| REVENUE | Quantity | Your Quantity | Units | $/Unit | Your $/Unit | Total | Your Total | Enterprise Total |
| Sorghum | 33.00 | | CWT | $6.50 | | $214.50 | | $107,250.00 |
| 0 | 0.00 | | | $0.00 | | $0.00 | | $0.00 |
| 0 | 0.00 | | | $0.00 | | $0.00 | | $0.00 |
| 0 | 0.00 | | | $0.00 | | $0.00 | | $0.00 |
| 0 | 0.00 | | | $0.00 | | $0.00 | | $0.00 |
| 0 | 0.00 | | | $0.00 | | $0.00 | | $0.00 |
| Total Revenue | | | | | | $214.50 | | $107,250.00 |
| VARIABLE COSTS | Quantity | Quantity | Units | $/Unit | $/Unit | Total | Total | Enterprise Total |
| Production Costs | | | | | | | | |
| Custom | | | | | | | | |
| Custom Harvest Sorghum | 1 | | Acre | $18.00 | | $18.00 | | $9,000.00 |
| Custom Haul Sorghum | 33 | | CWT | $0.53 | | $17.49 | | $8,745.00 |
| Fertilizer | | | | | | | | |
| 10-34-0 | 100 | | Pounds | $0.32 | | $32.00 | | $16,000.00 |
| 82-0-0 | 100 | | Pounds | $0.44 | | $44.00 | | $22,000.00 |
| Herbicide | | | | | | | | |
| Pre-emerge Sorghum | 2 | | Acre | $14.00 | | $28.00 | | $14,000.00 |
| Insecticide | | | | | | | | |
| Insecticide-Sorghum | 1 | | Acre | $15.00 | | $15.00 | | $7,500.00 |
| Seed | | | | | | | | |
| Sorghum Seed | 7 | | Pounds | $2.25 | | $15.75 | | $7,875.00 |
| Miscellaneous | | | | | | | | |
| Insurance-Sorghum | 1 | | Acre | $8.00 | | $8.00 | | $4,000.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| | 0 | 0 | 0 | $0.00 | | $0.00 | | $0.00 |
| Irrigation | | | | | | | | |
| Water Cost | 0.00 | | AcreInch | $0.00 | | $0.00 | | $0.00 |
| Energy Cost | 0.00 | | AcreInch | $7.00 | | $0.00 | | $0.00 |
| Irrigation Labor | 0.00 | | Hour | $10.00 | | $0.00 | | $0.00 |
| | 0.00 | | Hour | $0.00 | | $0.00 | | $0.00 |
| | 0.00 | | Hour | $0.00 | | $0.00 | | $0.00 |
| | 0.00 | | Hour | $0.00 | | $0.00 | | $0.00 |
| | 0.00 | | Hour | $0.00 | | $0.00 | | $0.00 |
| | 0.00 | | Hour | $0.00 | | $0.00 | | $0.00 |
| | 0.00 | | Hour | $0.00 | | $0.00 | | $0.00 |
| Machinery Labor | | | | | | | | |
| Tractors/Self-Propelled | 1.35 | | Hour | $10.00 | | $13.50 | | $6,750.00 |
| Other Labor | 0 | | Hour | $10.00 | | $0.00 | | $0.00 |
| Diesel Fuel | | | | | | | | |
| Pickup/General Use Equipment | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Tractors/Self-Propelled | 6.27 | | Gallon | $2.50 | | $15.68 | | $7,837.50 |
| Gasoline | | | | | | | | |
| Pickup/General Use Equipment | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Tractors/Self-Propelled | 0 | | Gallon | $2.20 | | $0.00 | | $0.00 |
| Repairs & Maintenance | | | | | | | | |
| Pickup/General Use Equipment | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Irrigation Equipment | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Tractors/Self-Propelled | 1 | | Acre | $10.07 | | $10.07 | | $5,032.62 |
| Implements | 1 | | Acre | $27.16 | | $27.16 | | $13,579.16 |
| | | | | | | $0.00 | | $0.00 |
| | | | | | | $0.00 | | $0.00 |
| | | | | | | $0.00 | | $0.00 |
| | | | | | | $0.00 | | $0.00 |
| | | | | | | $0.00 | | $0.00 |
| | | | | | | $0.00 | | $0.00 |
| Interest on Credit Line | | | | 4.75% | | $4.59 | | $2,295.24 |
| Total Variable Costs | | | | | | $249.23 | | $124,614.52 |
| Planned Returns Above Variable Costs: | | | | | | ($34.73) | | ($17,364.52) |
| Breakeven Price to Cover Variable Costs | | | | $7.55 | n/a | CWT | | |
| FIXED COSTS | Quantity | Quantity | Units | $/Unit | $/Unit | Total | Total | Enterprise Total |
| Machinery Depreciation | | | | | | | | |
| Pickup/General Use Equipment | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Irrigation Equipment | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Tractors/Self-Propelled | 1 | | Acre | $9.31 | | $9.31 | | $4,655.42 |
| Implements | 1 | | Acre | $31.16 | | $31.16 | | $15,581.98 |
| Equipment Investment | | | | | | | | |
| Pickup/General Use Equipment | $0.00 | | Dollars | 6.00% | | $0.00 | | $0.00 |
| Irrigation Equipment | $0.00 | | Dollars | 6.00% | | $0.00 | | $0.00 |
| Tractors/Self-Propelled | $72.53 | | Dollars | 6.00% | | $4.35 | | $2,176.03 |
| Implements | $133.31 | | Dollars | 6.00% | | $8.00 | | $3,999.37 |
| Equipment Fixed Costs | | | | | | | | |
| Pickup/General Use Equipment | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Irrigation Equipment | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Tractors/Self-Propelled | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Implements | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Salaried Labor | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Management Fee, Owner/Operator Labor | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Allocated Establishment Cost | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Rent-Dryland Crop | 1 | | Acre | $25.00 | | $25.00 | | $12,500.00 |
| Property Taxes | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Whole Farm Insurance | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| | 1 | | Acre | $0.00 | | $0.00 | | $0.00 |
| Total Fixed Costs | | | | | | $77.83 | | $38,912.80 |
| Total Specified Costs | | | | | | $327.05 | | $163,527.32 |
| Returns Above Specified Costs | | | | | | ($112.55) | | ($56,277.32) |
| Breakeven Price to Cover Total Costs | | | | $9.91 | n/a | CWT | | |

Developed by Blake Bennet, Associate Professor and Extension Economist, Texas A&M AgriLife Extension Service, 972-952-9273.

***Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.***