

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2018 Estimated Costs and Returns per Acre**  
**Sorghum (Nitrogen Fertilizer Only)**  
**North Texas Extension District - 4**

Crop Acres		500			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Sorghum	33.00	CWT	\$6.50	\$214.50	\$107,250.00
<b>Total Revenue</b>				<b>\$214.50</b>	<b>\$107,250.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
Herbicide					
Pre-emerge Sorghum	2	Acre	\$14.00	\$28.00	\$14,000.00
Seed					
Sorghum Seed	7	Pounds	\$2.25	\$15.75	\$7,875.00
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
Miscellaneous					
Insurance-Sorghum	1	Acre	\$8.00	\$8.00	\$4,000.00
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
Insecticide					
Insecticide-Sorghum	1	Acre	\$15.00	\$15.00	\$7,500.00
Machinery Labor					
Tractors/Self-Propelled	1.7	Hour	\$10.00	\$17.00	\$8,500.00
Diesel Fuel					
Tractors/Self-Propelled	8.28	Gallon	\$2.50	\$20.70	\$10,350.00
Repairs & Maintenance					
Tractors/Self-Propelled	1	Acre	\$13.09	\$13.09	\$6,546.35
Implements	1	Acre	\$25.48	\$25.48	\$12,741.49
Interest on Credit Line			4.75%	\$4.85	\$2,423.27
<b>Total Variable Costs</b>				<b>\$259.36</b>	<b>\$129,681.10</b>
Planned Returns Above Variable Costs:				<b>(\$44.86)</b>	<b>(\$22,431.10)</b>
Breakeven Price to Cover Variable Costs			\$7.86	CWT	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Tractors/Self-Propelled	1	Acre	\$12.46	\$12.46	\$6,230.67
Implements	1	Acre	\$29.21	\$29.21	\$14,605.94
Equipment Investment					
Tractors/Self-Propelled	\$97.08	Dollars	6.00%	\$5.82	\$2,912.34
Implements	\$124.96	Dollars	6.00%	\$7.50	\$3,748.86
Rent-Dryland Crop	1	Acre	\$25.00	\$25.00	\$12,500.00
<b>Total Fixed Costs</b>				<b>\$80.00</b>	<b>\$39,997.80</b>
<b>Total Specified Costs</b>				<b>\$339.36</b>	<b>\$169,678.90</b>
Returns Above Specified Costs				<b>(\$124.86)</b>	<b>(\$62,428.90)</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$10.28</b>	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	24.75	\$10.48	\$13.71
90%	29.70	\$8.73	\$11.43
100%	33.00	\$7.86	\$10.28
110%	36.30	\$7.14	\$9.35
125%	41.25	\$6.29	\$8.23

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.**