

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2016 Estimated Costs and Returns per Acre**  
**Continuous Sorghum, Sprinkler Irrigated (NG) - 122 Acres**  
**Panhandle Extension District - 1**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Grain Sorghum	60.00	CWT	\$6.45	\$387.00	\$47,214.00	\$47,214.00
<b>Total Revenue</b>				<b>\$387.00</b>	<b>\$47,214.00</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Herbicide						
Herbicide and Apply Sorghum Irrig.	1	Acre	\$22.57	\$22.57	\$2,753.13	
Seed						
Seed - Sorghum	4	Pound	\$1.92	\$7.67	\$935.36	
Fertilizer						
Fertilizer (N) - ANH3	65	Pound	\$0.36	\$23.40	\$2,854.80	
Fertilizer (P) - Liquid	30	Pound	\$0.90	\$27.00	\$3,294.00	
Fertilizer (N) - Liquid	55	Pound	\$0.53	\$29.15	\$3,556.30	
Custom						
Fertilizer Application - ANH3	1	Acre	\$12.07	\$12.07	\$1,472.92	
Harvest and Haul - Sorghum	60	CWT	\$0.79	\$47.47	\$5,791.40	
Miscellaneous						
Crop Insurance Sorghum - Irrigated	1	Acre	\$36.00	\$36.00	\$4,392.00	
Insecticide						
Insecticide and Apply Sorghum	0.67	Application	\$9.79	\$6.56	\$800.47	
Irrigation						
Energy Cost	10.00	AcreInch	\$3.20	\$32.00	\$3,904.00	
Irrigation Labor	0.90	Hour	\$12.16	\$10.89	\$1,329.11	
Machinery Labor						
Tractors/Self-Propelled	0.72	Hour	\$11.97	\$8.62	\$1,051.21	
Diesel Fuel						
Tractors/Self-Propelled	1.97	Gallon	\$1.97	\$3.88	\$473.47	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.22	\$4.22	\$515.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00	
Irrigation Equipment	1	Acre	\$40.40	\$40.40	\$4,928.80	
Tractors/Self-Propelled	1	Acre	\$3.08	\$3.08	\$375.61	
Implements	1	Acre	\$11.83	\$11.83	\$1,442.94	
Interest on Credit Line			5.15%	\$6.35	\$774.14	
<b>Total Variable Costs</b>				<b>\$335.66</b>	<b>\$40,950.66</b>	
Planned Returns Above Variable Costs:				\$51.34	\$6,263.34	
Breakeven Price to Cover Variable Costs			\$5.59	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery Depreciation</b>						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30	
Irrigation Equipment	1	Acre	\$22.50	\$22.50	\$2,745.60	
Tractors/Self-Propelled	1	Acre	\$3.03	\$3.03	\$369.91	
Implements	1	Acre	\$14.51	\$14.51	\$1,769.86	
<b>Equipment Investment</b>						
Pickup/General Use Equipment	\$18.18	Dollars	5.40%	\$0.98	\$119.80	
Irrigation Equipment	\$421.97	Dollars	5.40%	\$22.79	\$2,779.92	
Tractors/Self-Propelled	\$23.62	Dollars	5.40%	\$1.28	\$155.61	
Implements	\$62.06	Dollars	5.40%	\$3.35	\$408.84	
Cash Rent - Sorghum f	1	Acre	\$75.00	\$75.00	\$9,150.00	
<b>Total Fixed Costs</b>				<b>\$146.07</b>	<b>\$17,820.84</b>	
<b>Total Specified Costs</b>				<b>\$481.73</b>	<b>\$58,771.51</b>	
Returns Above Specified Costs					(\$94.73)	(\$11,557.51)
<b>Breakeven Price to Cover Total Costs</b>			<b>\$8.03</b>	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	45.00	\$7.46	\$10.71
90%	54.00	\$6.22	\$8.92
100%	60.00	\$5.59	\$8.03
110%	66.00	\$5.09	\$7.30
125%	75.00	\$4.48	\$6.42

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension.

**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.**