

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2017 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
Grain Sorghum	60.00	CWT	\$5.75	\$345.00		\$42,090.00
<b>Total Revenue</b>				<b>\$345.00</b>		<b>\$42,090.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise
<b>Production Costs</b>						
Herbicide						
Herbicide and Apply Sorghum Irrig.	1	Acre	\$22.75	\$22.75		\$2,775.50
Seed						
Seed - Sorghum	4	Pound	\$1.85	\$7.40		\$902.80
Fertilizer						
Fertilizer (N) - ANH3	65	Pound	\$0.25	\$16.25		\$1,982.50
Fertilizer (P) - Liquid	30	Pound	\$0.47	\$14.10		\$1,720.20
Fertilizer (N) - Liquid	55	Pound	\$0.41	\$22.55		\$2,751.10
Custom						
Fertilizer Application - ANH3	1	Acre	\$15.00	\$15.00		\$1,830.00
Harvest and Haul - Sorghum	60	CWT	\$0.85	\$51.00		\$6,222.00
Miscellaneous						
Crop Insurance Sorghum - Irrigated	1	Acre	\$33.00	\$33.00		\$4,026.00
Insecticide						
Insecticide Head Worm	0.67	Application	\$9.80	\$6.57		\$801.05
Insecticide Sugar Cane Aphid	1	Application	\$21.00	\$21.00		\$2,562.00
Irrigation						
Energy Cost	10.00	AcreInch	\$3.60	\$36.00		\$4,392.00
Irrigation Labor	0.90	Hour	\$12.45	\$11.16		\$1,360.93
Machinery Labor						
Tractors/Self-Propelled	0.7	Hour	\$12.25	\$8.58		\$1,046.15
Diesel Fuel						
Tractors/Self-Propelled	1.91	Gallon	\$1.81	\$3.46		\$421.77
Gasoline						
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95		\$482.50
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	\$3.67	\$3.67		\$447.94
Implements	1	Acre	\$12.35	\$12.35		\$1,507.10
Interest on Credit Line			5.40%	\$6.08		\$742.22
<b>Total Variable Costs</b>				<b>\$337.78</b>		<b>\$41,208.56</b>
Planned Returns Above Variable Costs:				\$7.22		\$881.44
Breakeven Price to Cover Variable Costs			\$5.63	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total		Enterprise
<b>Machinery Depreciation</b>						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63		\$321.30
Irrigation Equipment	1	Acre	\$47.34	\$47.34		\$5,775.00
Tractors/Self-Propelled	1	Acre	\$3.57	\$3.57		\$435.05
Implements	1	Acre	\$15.49	\$15.49		\$1,889.45
<b>Equipment Investment</b>						
Pickup/General Use Equipment	\$18.18	Dollars	5.65%	\$1.03		\$125.35
Irrigation Equipment	\$571.72	Dollars	5.65%	\$32.30		\$3,940.88
Tractors/Self-Propelled	\$27.78	Dollars	5.65%	\$1.57		\$191.49
Implements	\$66.25	Dollars	5.65%	\$3.74		\$456.67
Cash Rent - Sorghum f	1	Acre	\$72.00	\$72.00		\$8,784.00
<b>Total Fixed Costs</b>				<b>\$179.67</b>		<b>\$21,919.18</b>
<b>Total Specified Costs</b>				<b>\$517.44</b>		<b>\$63,127.74</b>
Returns Above Specified Costs					(\$172.44)	(\$21,037.74)
<b>Breakeven Price to Cover Total Costs</b>			\$8.62	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	45.00	\$7.51	\$11.50
90%	54.00	\$6.26	\$9.58
100%	60.00	\$5.63	\$8.62
110%	66.00	\$5.12	\$7.84
125%	75.00	\$4.50	\$6.90

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension, 806-677-5600.

**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.**