

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2020 Estimated Costs and Returns per Acre**  
**Continuous Sorghum, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Grain Sorghum	60.00	CWT	\$6.75	\$405.00	\$49,410.00	\$49,410.00
<b>Total Revenue</b>				<b>\$405.00</b>	<b>\$49,410.00</b>	<b>\$49,410.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Herbicide						
Herbicide and Apply Sorghum Irrig.	1	Acre	\$24.77	\$24.77	\$3,022.45	
Seed						
Seed - Sorghum	4	Pound	\$2.11	\$8.43	\$1,027.93	
Fertilizer						
Fertilizer (N) - ANH3	60	Pound	\$0.29	\$17.22	\$2,100.84	
Fertilizer (P) - Liquid	40	Pound	\$0.48	\$19.10	\$2,330.65	
Fertilizer (N) - Liquid	50	Pound	\$0.48	\$24.09	\$2,938.68	
Custom						
Fertilizer Application - ANH3	1	Acre	\$16.05	\$16.05	\$1,958.27	
Harvest and Haul - Sorghum	60	CWT	\$0.91	\$54.55	\$6,655.06	
Miscellaneous						
Crop Insurance Sorghum - Irrigated	1	Acre	\$33.00	\$33.00	\$4,026.00	
Insecticide						
Insecticide Head Worm	0.67	Application	\$10.58	\$7.09	\$864.95	
Insecticide Sugar Cane Aphid	1	Application	\$22.68	\$22.68	\$2,766.91	
Irrigation						
Energy Cost	10.00	AcreInch	\$3.96	\$39.60	\$4,831.20	
Irrigation Labor	0.90	Hour	\$13.65	\$12.23	\$1,492.11	
Machinery Labor						
Tractors/Self-Propelled	0.33	Hour	\$13.43	\$4.43	\$540.69	
Other Labor	0.37	Hour	\$13.43	\$4.97	\$606.23	
Diesel Fuel						
Tractors/Self-Propelled	1.92	Gallon	\$2.33	\$4.47	\$545.78	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.82	\$4.82	\$587.50	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00	
Irrigation Equipment	1	Acre	\$37.50	\$37.50	\$4,575.00	
Tractors/Self-Propelled	1	Acre	\$3.65	\$3.65	\$445.00	
Implements	1	Acre	\$13.96	\$13.96	\$1,703.07	
Interest on Credit Line			6.25%	\$7.82	\$954.34	
<b>Total Variable Costs</b>				<b>\$362.94</b>	<b>\$44,278.66</b>	
<b>Planned Returns Above Variable Costs:</b>				<b>\$42.06</b>	<b>\$5,131.34</b>	
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$6.05</b>	<b>CWT</b>		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
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	\$3.56	\$3.56	\$434.70	
Implements	1	Acre	\$17.52	\$17.52	\$2,137.07	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	6.25%	\$1.14	\$138.66	
Irrigation Equipment	\$571.72	Dollars	6.25%	\$35.73	\$4,359.38	
Tractors/Self-Propelled	\$27.76	Dollars	6.25%	\$1.73	\$211.65	
Implements	\$74.93	Dollars	6.25%	\$4.68	\$571.37	
Cash Rent - Sorghum f	1	Acre	\$76.00	\$76.00	\$9,272.00	
<b>Total Fixed Costs</b>				<b>\$190.34</b>	<b>\$23,221.12</b>	
<b>Total Specified Costs</b>				<b>\$553.28</b>	<b>\$67,499.79</b>	
<b>Returns Above Specified Costs</b>				<b>(\$148.28)</b>	<b>(\$18,089.79)</b>	
<b>Breakeven Price to Cover Total Costs</b>			<b>\$9.22</b>	<b>CWT</b>		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	45.00	\$8.07	\$12.30
90%	54.00	\$6.72	\$10.25
100%	60.00	\$6.05	\$9.22
110%	66.00	\$5.50	\$8.38
125%	75.00	\$4.84	\$7.38

Developed by Justin Benavidez, Assistant Professor, 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.**