

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 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	Enterprise Total
Grain Sorghum	60.00	CWT	\$6.70	\$402.00	\$49,044.00	
Total Revenue				\$402.00	\$49,044.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise Total
Production Costs						
Herbicide						
Herbicide and Apply Sorghum Irrig.	1	Acre	\$23.64	\$23.64	\$2,884.08	
Seed						
Seed - Sorghum	4	Pound	\$2.16	\$8.64	\$1,054.08	
Fertilizer						
Fertilizer (N) - ANH3	60	Pound	\$0.28	\$16.80	\$2,049.60	
Fertilizer (P) - Liquid	40	Pound	\$0.54	\$21.60	\$2,635.20	
Fertilizer (N) - Liquid	50	Pound	\$0.47	\$23.50	\$2,867.00	
Custom						
Fertilizer Application - ANH3	1	Acre	\$15.36	\$15.36	\$1,873.92	
Harvest and Haul - Sorghum	60	CWT	\$0.87	\$52.20	\$6,368.40	
Miscellaneous						
Crop Insurance Sorghum - Irrigated	1	Acre	\$33.00	\$33.00	\$4,026.00	
Insecticide						
Insecticide Head Worm	0.67	Application	\$10.12	\$6.78	\$827.21	
Insecticide Sugar Cane Aphid	1	Application	\$21.69	\$21.69	\$2,646.18	
Irrigation						
Energy Cost	10.00	AcreInch	\$3.40	\$34.00	\$4,148.00	
Irrigation Labor	0.90	Hour	\$13.24	\$11.86	\$1,447.29	
Machinery Labor						
Tractors/Self-Propelled	0.33	Hour	\$13.03	\$4.30	\$524.59	
Other Labor	0.37	Hour	\$13.03	\$4.82	\$588.17	
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	\$3.62	\$3.62	\$441.26	
Implements	1	Acre	\$11.56	\$11.56	\$1,410.86	
Interest on Credit Line			6.04%	\$7.36	\$898.52	
Total Variable Costs				\$350.04	\$42,704.64	
Planned Returns Above Variable Costs:				\$51.96	\$6,339.36	
Breakeven Price to Cover Variable Costs			\$5.83	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise Total
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	\$3.52	\$3.52	\$428.87	
Implements	1	Acre	\$14.44	\$14.44	\$1,762.15	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	6.32%	\$1.15	\$140.21	
Irrigation Equipment	\$571.72	Dollars	6.32%	\$36.13	\$4,408.20	
Tractors/Self-Propelled	\$27.39	Dollars	6.32%	\$1.73	\$211.15	
Implements	\$61.79	Dollars	6.32%	\$3.90	\$476.41	
Cash Rent - Sorghum f	1	Acre	\$72.00	\$72.00	\$8,784.00	
Total Fixed Costs				\$182.85	\$22,307.29	
Total Specified Costs				\$532.88	\$65,011.94	
Returns Above Specified Costs				(\$130.88)	(\$15,967.94)	
Breakeven Price to Cover Total Costs			\$8.88	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	45.00	\$7.78	\$11.84
90%	54.00	\$6.48	\$9.87
100%	60.00	\$5.83	\$8.88
110%	66.00	\$5.30	\$8.07
125%	75.00	\$4.67	\$7.11

Developed by DeDe Jones, Extension Risk Management Specialist III, 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.