

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Continuous Sorghum, Furrow Irrigated (NG) - 122 Acres
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Grain Sorghum	65.00	CWT	\$5.75	\$373.75	\$45,597.50	
Total Revenue				\$373.75	\$45,597.50	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Production Costs						
Herbicide						
Herbicide and Apply Sorghum Irrig.	1	Acre	\$22.75	\$22.75	\$2,775.50	
Seed						
Seed - Sorghum	4.5	Pound	\$1.85	\$8.33	\$1,015.65	
Fertilizer						
Fertilizer (N) - ANH3	100	Pound	\$0.25	\$25.00	\$3,050.00	
Fertilizer (P) - Dry	40	Pound	\$0.43	\$17.20	\$2,098.40	
Custom						
Fertilizer Application - ANH3	1	Acre	\$15.00	\$15.00	\$1,830.00	
Fertilizer Application	1	Acre	\$5.00	\$5.00	\$610.00	
Harvest and Haul - Sorghum	65	CWT	\$0.85	\$55.25	\$6,740.50	
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	12.00	AcreInch	\$3.60	\$43.20	\$5,270.40	
Irrigation Labor	1.69	Hour	\$12.45	\$20.99	\$2,560.87	
Machinery Labor						
Tractors/Self-Propelled	1.22	Hour	\$12.25	\$14.95	\$1,823.29	
Diesel Fuel						
Tractors/Self-Propelled	3.45	Gallon	\$1.81	\$6.24	\$761.83	
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	\$47.55	\$47.55	\$5,801.39	
Tractors/Self-Propelled	1	Acre	\$6.55	\$6.55	\$798.95	
Implements	1	Acre	\$15.07	\$15.07	\$1,838.99	
Interest on Credit Line			5.40%	\$6.67	\$814.34	
Total Variable Costs				\$376.78	\$45,967.67	
Planned Returns Above Variable Costs:					(\$3.03)	
Breakeven Price to Cover Variable Costs			\$5.80	CWT	(\$370.17)	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30	
Irrigation Equipment	1	Acre	\$28.25	\$28.25	\$3,446.90	
Tractors/Self-Propelled	1	Acre	\$6.54	\$6.54	\$797.77	
Implements	1	Acre	\$18.43	\$18.43	\$2,248.69	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	5.65%	\$1.03	\$125.35	
Irrigation Equipment	\$300.68	Dollars	5.65%	\$16.99	\$2,072.56	
Tractors/Self-Propelled	\$50.94	Dollars	5.65%	\$2.88	\$351.14	
Implements	\$78.85	Dollars	5.65%	\$4.45	\$543.50	
Cash Rent - Sorghum f	1	Acre	\$72.00	\$72.00	\$8,784.00	
Total Fixed Costs				\$153.21	\$18,691.20	
Total Specified Costs				\$529.99	\$64,658.86	
Returns Above Specified Costs					(\$156.24)	
Breakeven Price to Cover Total Costs			\$8.15	CWT	(\$19,061.36)	

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	CWT	Costs	Costs
75%	48.75	\$7.73	\$10.87
90%	58.50	\$6.44	\$9.06
100%	65.00	\$5.80	\$8.15
110%	71.50	\$5.27	\$7.41
125%	81.25	\$4.64	\$6.52

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.