

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

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Seed Sorghum - Female Only	45.00	CWT	\$18.30	\$823.50	\$100,467.00	\$100,467.00
Total Revenue				\$823.50	\$100,467.00	\$100,467.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Herbicide						
Herbicide and Apply Sorghum Irrig.	1	Acre	\$22.57	\$22.57	\$2,753.13	
Seed						
Seed - Sorghum	0	Pound	\$1.92	\$0.00	\$0.00	
Fertilizer						
Fertilizer (N) - ANH3	65	Pound	\$0.36	\$23.40	\$2,854.80	
Fertilizer (P) - Liquid	50	Pound	\$0.90	\$45.00	\$5,490.00	
Fertilizer (N) - Liquid	60	Pound	\$0.53	\$31.80	\$3,879.60	
Custom						
Fertilizer Application - ANH3	1	Acre	\$12.07	\$12.07	\$1,472.92	
Harvest and Haul - Sorghum	45	CWT	\$0.79	\$35.60	\$4,343.55	
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	16.00	AcreInch	\$3.20	\$51.20	\$6,246.40	
Irrigation Labor	1.02	Hour	\$12.16	\$12.45	\$1,518.99	
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	\$64.64	\$64.64	\$7,886.08	
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%	\$7.18	\$876.30	
Total Variable Costs				\$382.61	\$46,678.47	
Planned Returns Above Variable Costs:				\$440.89	\$53,788.53	
Breakeven Price to Cover Variable Costs			\$8.50	CWT		
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	\$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	
Equipment Investment						
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	
Total Fixed Costs				\$146.07	\$17,820.84	
Total Specified Costs				\$528.68	\$64,499.31	
Returns Above Specified Costs				\$294.82	\$35,967.69	
Breakeven Price to Cover Total Costs			\$11.75	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%	33.75	\$11.34	\$15.66
90%	40.50	\$9.45	\$13.05
100%	45.00	\$8.50	\$11.75
110%	49.50	\$7.73	\$10.68
125%	56.25	\$6.80	\$9.40

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.