

**2022 Estimated Costs and Returns per Acre
Sorghum Silage, Sprinkler Irrigated
Panhandle Extension District - 1**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Sorghum Silage	21.00	Ton	\$45.45	\$954.45	\$116,442.90	
Total Revenue				\$954.45	\$116,442.90	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Fertilizer						
Fertilizer (N) - ANH3	100	Pound	\$0.41	\$41.00	\$5,002.00	
Fertilizer (P) - Dry	50	Pound	\$0.66	\$33.00	\$4,026.00	
Fertilizer (N) - Liquid	45	Pound	\$0.69	\$31.05	\$3,788.10	
Custom						
Fertilizer Application - ANH3	1	Acre	\$17.59	\$17.59	\$2,145.98	
Fertilizer Application	1	Acre	\$5.86	\$5.86	\$714.92	
Harvest and Haul - Sorghum Silage	21	Ton	\$11.16	\$234.36	\$28,591.92	
Miscellaneous						
Crop Insurance Sorghum Silage	1	Acre	\$26.00	\$26.00	\$3,172.00	
Insecticide						
Insecticide Head Worm	0.33	Application	\$21.16	\$6.98	\$851.90	
Insecticide Sugar Cane Aphid	1	Application	\$45.36	\$45.36	\$5,533.92	
Herbicide						
Herbicide and Apply Sorghum Sudan	1	Acre	\$23.46	\$23.46	\$2,862.12	
Seed						
Seed - Sorghum	5	Pound	\$2.12	\$10.60	\$1,293.20	
Irrigation						
Energy Cost	14.00	AcreInch	\$3.91	\$54.74	\$6,678.28	
Irrigation Labor	0.83	Hour	\$16.38	\$13.63	\$1,662.64	
Machinery Labor						
Tractors/Self-Propelled	0.23	Hour	\$16.12	\$3.71	\$452.21	
Other Labor	0.27	Hour	\$16.12	\$4.35	\$530.86	
Diesel Fuel						
Tractors/Self-Propelled	1.41	Gallon	\$2.67	\$3.76	\$459.29	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$7.68	\$7.68	\$937.50	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00	
Irrigation Equipment	1	Acre	\$52.50	\$52.50	\$6,405.00	
Tractors/Self-Propelled	1	Acre	\$2.68	\$2.68	\$327.04	
Implements	1	Acre	\$6.92	\$6.92	\$843.96	
Interest on Credit Line			6.30%	\$9.93	\$1,210.98	
Total Variable Costs				\$638.92	\$77,948.82	
Planned Returns Above Variable Costs:				\$315.53	\$38,494.08	
Breakeven Price to Cover Variable Costs			\$30.42	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$481.95	
Irrigation Equipment	1	Acre	\$36.27	\$36.27	\$4,425.00	
Tractors/Self-Propelled	1	Acre	\$2.73	\$2.73	\$332.82	
Implements	1	Acre	\$8.25	\$8.25	\$1,007.07	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	6.30%	\$1.72	\$209.65	
Irrigation Equipment	\$490.57	Dollars	6.30%	\$30.91	\$3,770.55	
Tractors/Self-Propelled	\$21.25	Dollars	6.30%	\$1.34	\$163.35	
Implements	\$35.31	Dollars	6.30%	\$2.22	\$271.41	
Cash Rent - Sorghum Silage	1	Acre	\$79.00	\$79.00	\$9,638.00	
Total Fixed Costs				\$166.39	\$20,299.79	
Total Specified Costs				\$805.32	\$98,248.62	
Returns Above Specified Costs				\$149.13	\$18,194.28	
Breakeven Price to Cover Total Costs			\$38.35	Ton		

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.