

**2021 Estimated Costs and Returns per Acre
Sorghum Silage, Sprinkler Irrigated
Panhandle Extension District - 1**

Crop Acres	122					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Sorghum Silage	21.00	Ton	\$35.10	\$737.06	\$737.06	\$89,921.59
Total Revenue				\$737.06	\$737.06	\$89,921.59
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						Total
Fertilizer						
Fertilizer (N) - ANH3	100	Pound	\$0.30	\$30.00	\$30.00	\$3,660.00
Fertilizer (P) - Dry	50	Pound	\$0.45	\$22.50	\$22.50	\$2,745.00
Fertilizer (N) - Liquid	45	Pound	\$0.50	\$22.50	\$22.50	\$2,745.00
Custom						
Fertilizer Application - ANH3	1	Acre	\$16.05	\$16.05	\$16.05	\$1,958.27
Fertilizer Application	1	Acre	\$5.35	\$5.35	\$5.35	\$652.76
Harvest and Haul - Sorghum Silage	21	Ton	\$9.64	\$202.34	\$202.34	\$24,684.93
Miscellaneous						
Crop Insurance Sorghum Silage	1	Acre	\$33.00	\$33.00	\$33.00	\$4,026.00
Insecticide						
Insecticide Head Worm	0.33	Application	\$10.58	\$3.49	\$3.49	\$426.02
Insecticide Sugar Cane Aphid	1	Application	\$22.68	\$22.68	\$22.68	\$2,766.91
Herbicide						
Herbicide and Apply Sorghum Sudan	1	Acre	\$13.17	\$13.17	\$13.17	\$1,607.12
Seed						
Seed - Sorghum	5	Pound	\$2.11	\$10.53	\$10.53	\$1,284.91
Irrigation						
Energy Cost	14.00	AcreInch	\$3.35	\$46.90	\$46.90	\$5,721.80
Irrigation Labor	0.83	Hour	\$13.65	\$11.36	\$11.36	\$1,385.53
Machinery Labor						
Tractors/Self-Propelled	0.37	Hour	\$13.43	\$4.97	\$4.97	\$606.23
Other Labor	0.42	Hour	\$13.43	\$5.64	\$5.64	\$688.15
Diesel Fuel						
Tractors/Self-Propelled	2.04	Gallon	\$2.19	\$4.47	\$4.47	\$545.10
Gasoline						
Pickup/General Use Equipment	1	Acre	\$7.80	\$7.80	\$7.80	\$951.75
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$3.76	\$459.00
Irrigation Equipment	1	Acre	\$52.50	\$52.50	\$52.50	\$6,405.00
Tractors/Self-Propelled	1	Acre	\$3.60	\$3.60	\$3.60	\$439.28
Implements	1	Acre	\$16.71	\$16.71	\$16.71	\$2,038.31
Interest on Credit Line			6.25%	\$9.00	\$9.00	\$1,098.45
Total Variable Costs				\$548.32	\$548.32	\$66,895.53
Planned Returns Above Variable Costs:				\$188.74	\$188.74	\$23,026.06
Breakeven Price to Cover Variable Costs			\$26.11	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$3.95	\$481.95
Irrigation Equipment	1	Acre	\$36.27	\$36.27	\$36.27	\$4,425.00
Tractors/Self-Propelled	1	Acre	\$3.51	\$3.51	\$3.51	\$427.89
Implements	1	Acre	\$20.36	\$20.36	\$20.36	\$2,483.93
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	6.25%	\$1.70	\$1.70	\$207.98
Irrigation Equipment	\$490.57	Dollars	6.25%	\$30.66	\$30.66	\$3,740.63
Tractors/Self-Propelled	\$27.32	Dollars	6.25%	\$1.71	\$1.71	\$208.34
Implements	\$87.10	Dollars	6.25%	\$5.44	\$5.44	\$664.11
Cash Rent - Sorghum Silage	1	Acre	\$76.00	\$76.00	\$76.00	\$9,272.00
Total Fixed Costs				\$179.61	\$179.61	\$21,911.82
Total Specified Costs				\$727.93	\$727.93	\$88,807.35
Returns Above Specified Costs				\$9.13	\$9.13	\$1,114.24
Breakeven Price to Cover Total Costs			\$34.66	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.