

**2023 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	25.00	Ton	\$61.95	\$1,548.68	\$188,938.35
Total Revenue				\$1,548.68	\$188,938.35
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Fertilizer					
Fertilizer (N) - ANH3	100	Pound	\$0.76	\$76.10	\$9,284.20
Fertilizer (P) - Dry	50	Pound	\$0.91	\$45.55	\$5,557.10
Fertilizer (N) - Liquid	45	Pound	\$0.98	\$43.97	\$5,363.73
Custom					
Fertilizer Application - ANH3	1	Acre	\$21.99	\$21.99	\$2,682.78
Fertilizer Application	1	Acre	\$6.39	\$6.39	\$779.58
Harvest and Haul - Sorghum Silage	25	Ton	\$12.16	\$304.00	\$37,088.00
Miscellaneous					
Crop Insurance Sorghum Silage	1	Acre	\$26.00	\$26.00	\$3,172.00
Insecticide					
Insecticide Head Worm	0.33	Application	\$29.84	\$9.85	\$1,201.36
Insecticide Sugar Cane Aphid	1	Application	\$63.96	\$63.96	\$7,803.12
Herbicide					
Herbicide and Apply Sorghum Sudar	1	Acre	\$33.08	\$33.08	\$4,035.76
Seed					
Seed - Sorghum	5	Pound	\$2.12	\$10.60	\$1,293.20
Irrigation					
Energy Cost	14.00	AcreInch	\$4.70	\$65.80	\$8,027.60
Irrigation Labor	0.83	Hour	\$17.50	\$14.56	\$1,776.32
Machinery Labor					
Tractors/Self-Propelled	0.23	Hour	\$17.21	\$3.96	\$482.91
Other Labor	0.27	Hour	\$17.21	\$4.65	\$566.90
Diesel Fuel					
Tractors/Self-Propelled	1.41	Gallon	\$2.24	\$3.16	\$385.32
Gasoline					
Pickup/General Use Equipment	1	Acre	\$6.42	\$6.42	\$783.75
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			8.00%	\$15.74	\$1,919.96
Total Variable Costs				\$821.63	\$100,238.59
Planned Returns Above Variable Costs:				\$727.05	\$88,699.76
Breakeven Price to Cover Variable Costs			\$32.87	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	8.00%	\$2.18	\$266.22
Irrigation Equipment	\$490.57	Dollars	8.00%	\$39.25	\$4,788.00
Tractors/Self-Propelled	\$21.25	Dollars	8.00%	\$1.70	\$207.42
Implements	\$35.31	Dollars	8.00%	\$2.82	\$344.64
Cash Rent - Sorghum Silage	1	Acre	\$88.50	\$88.50	\$10,797.00
Total Fixed Costs				\$185.66	\$22,650.13
Total Specified Costs				\$1,007.28	\$122,888.73
Returns Above Specified Costs				\$541.39	\$66,049.62
Breakeven Price to Cover Total Costs			\$40.29	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.