

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2020 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	\$34.92	\$733.32	\$89,465.04	\$89,465.04
<b>Total Revenue</b>				<b>\$733.32</b>	<b>\$89,465.04</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Fertilizer						
Fertilizer (N) - ANH3	100	Pound	\$0.29	\$28.70	\$3,501.40	
Fertilizer (P) - Dry	50	Pound	\$0.43	\$21.67	\$2,643.56	
Fertilizer (N) - Liquid	45	Pound	\$0.48	\$21.68	\$2,644.81	
Custom						
Fertilizer Application - ANH3	1	Acre	\$16.05	\$16.05	\$1,958.27	
Fertilizer Application	1	Acre	\$5.35	\$5.35	\$652.76	
Harvest and Haul - Sorghum Silage	21	Ton	\$9.64	\$202.34	\$24,684.93	
Miscellaneous						
Crop Insurance Sorghum Silage	1	Acre	\$33.00	\$33.00	\$4,026.00	
Insecticide						
Insecticide Head Worm	0.33	Application	\$10.58	\$3.49	\$426.02	
Insecticide Sugar Cane Aphid	1	Application	\$22.68	\$22.68	\$2,766.91	
Herbicide						
Herbicide and Apply Sorghum Sudan	1	Acre	\$13.17	\$13.17	\$1,607.12	
Seed						
Seed - Sorghum	5	Pound	\$2.11	\$10.53	\$1,284.91	
Irrigation						
Energy Cost	14.00	AcreInch	\$3.96	\$55.44	\$6,763.68	
Irrigation Labor	0.83	Hour	\$13.65	\$11.36	\$1,385.53	
Machinery Labor						
Tractors/Self-Propelled	0.37	Hour	\$13.43	\$4.97	\$606.23	
Other Labor	0.42	Hour	\$13.43	\$5.64	\$688.15	
Diesel Fuel						
Tractors/Self-Propelled	2.04	Gallon	\$2.33	\$4.75	\$579.89	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$7.22	\$7.22	\$881.25	
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	\$3.50	\$3.50	\$426.99	
Implements	1	Acre	\$14.99	\$14.99	\$1,829.12	
Interest on Credit Line			6.25%	\$8.89	\$1,084.73	
<b>Total Variable Costs</b>				<b>\$551.69</b>	<b>\$67,306.26</b>	
Planned Returns Above Variable Costs:				\$181.63	\$22,158.78	
Breakeven Price to Cover Variable Costs			\$26.27	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
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	\$3.41	\$3.41	\$416.08	
Implements	1	Acre	\$18.41	\$18.41	\$2,246.56	
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	6.25%	\$1.70	\$207.98	
Irrigation Equipment	\$490.57	Dollars	6.25%	\$30.66	\$3,740.63	
Tractors/Self-Propelled	\$26.57	Dollars	6.25%	\$1.66	\$202.59	
Implements	\$78.77	Dollars	6.25%	\$4.92	\$600.64	
Cash Rent - Sorghum Silage	1	Acre	\$76.00	\$76.00	\$9,272.00	
<b>Total Fixed Costs</b>				<b>\$177.00</b>	<b>\$21,593.43</b>	
<b>Total Specified Costs</b>				<b>\$728.69</b>	<b>\$88,899.69</b>	
Returns Above Specified Costs				\$4.63	\$565.35	
<b>Breakeven Price to Cover Total Costs</b>			<b>\$34.70</b>	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	15.75	\$35.03	\$46.27
90%	18.90	\$29.19	\$38.55
100%	21.00	\$26.27	\$34.70
110%	23.10	\$23.88	\$31.54
125%	26.25	\$21.02	\$27.76

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.**