

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 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	\$34.52	\$724.92	\$88,440.24	\$88,440.24
Total Revenue				\$724.92	\$88,440.24	\$88,440.24
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Fertilizer						
Fertilizer (N) - ANH3	100	Pound	\$0.28	\$28.00	\$3,416.00	\$3,416.00
Fertilizer (P) - Dry	50	Pound	\$0.49	\$24.50	\$2,989.00	\$2,989.00
Fertilizer (N) - Liquid	45	Pound	\$0.47	\$21.15	\$2,580.30	\$2,580.30
Custom						
Fertilizer Application - ANH3	1	Acre	\$15.36	\$15.36	\$1,873.92	\$1,873.92
Fertilizer Application	1	Acre	\$5.12	\$5.12	\$624.64	\$624.64
Harvest and Haul - Sorghum Silage	21	Ton	\$9.22	\$193.62	\$23,621.64	\$23,621.64
Miscellaneous						
Crop Insurance Sorghum Silage	1	Acre	\$33.00	\$33.00	\$4,026.00	\$4,026.00
Insecticide						
Insecticide Head Worm	0.33	Application	\$10.12	\$3.34	\$407.43	\$407.43
Insecticide Sugar Cane Aphid	1	Application	\$21.69	\$21.69	\$2,646.18	\$2,646.18
Herbicide						
Herbicide and Apply Sorghum Sudan	1	Acre	\$12.57	\$12.57	\$1,533.54	\$1,533.54
Seed						
Seed - Sorghum	5	Pound	\$2.16	\$10.80	\$1,317.60	\$1,317.60
Irrigation						
Energy Cost	14.00	AcreInch	\$3.40	\$47.60	\$5,807.20	\$5,807.20
Irrigation Labor	0.83	Hour	\$13.24	\$11.02	\$1,343.91	\$1,343.91
Machinery Labor						
Tractors/Self-Propelled	0.37	Hour	\$13.03	\$4.82	\$588.17	\$588.17
Other Labor	0.42	Hour	\$13.03	\$5.47	\$667.66	\$667.66
Diesel Fuel						
Tractors/Self-Propelled	2.04	Gallon	\$2.33	\$4.75	\$579.89	\$579.89
Gasoline						
Pickup/General Use Equipment	1	Acre	\$7.22	\$7.22	\$881.25	\$881.25
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$3.76	\$3.76	\$459.00	\$459.00
Irrigation Equipment	1	Acre	\$52.50	\$52.50	\$6,405.00	\$6,405.00
Tractors/Self-Propelled	1	Acre	\$3.46	\$3.46	\$421.89	\$421.89
Implements	1	Acre	\$12.55	\$12.55	\$1,530.64	\$1,530.64
Interest on Credit Line			6.04%	\$8.38	\$1,022.66	\$1,022.66
Total Variable Costs				\$530.68	\$64,743.53	\$64,743.53
Planned Returns Above Variable Costs:				\$194.24	\$23,696.71	\$23,696.71
Breakeven Price to Cover Variable Costs			\$25.27	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$481.95	\$481.95
Irrigation Equipment	1	Acre	\$36.27	\$36.27	\$4,425.00	\$4,425.00
Tractors/Self-Propelled	1	Acre	\$3.35	\$3.35	\$408.85	\$408.85
Implements	1	Acre	\$15.28	\$15.28	\$1,864.35	\$1,864.35
Equipment Investment						
Pickup/General Use Equipment	\$27.28	Dollars	6.32%	\$1.72	\$210.31	\$210.31
Irrigation Equipment	\$490.57	Dollars	6.32%	\$31.00	\$3,782.52	\$3,782.52
Tractors/Self-Propelled	\$26.11	Dollars	6.32%	\$1.65	\$201.30	\$201.30
Implements	\$65.37	Dollars	6.32%	\$4.13	\$504.04	\$504.04
Cash Rent - Sorghum Silage	1	Acre	\$72.00	\$72.00	\$8,784.00	\$8,784.00
Total Fixed Costs				\$169.36	\$20,662.32	\$20,662.32
Total Specified Costs				\$700.05	\$85,405.85	\$85,405.85
Returns Above Specified Costs				\$24.87	\$3,034.39	\$3,034.39
Breakeven Price to Cover Total Costs			\$33.34	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	15.75	\$33.69	\$44.45
90%	18.90	\$28.08	\$37.04
100%	21.00	\$25.27	\$33.34
110%	23.10	\$22.97	\$30.31
125%	26.25	\$20.22	\$26.67

Developed by DeDe Jones, Extension Risk Management Specialist III, 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.