

**2023 Estimated Costs and Returns per Acre
Irrigated Sorghum Silage
South Plains Extension District - 2**

Crop Acres		122			
				Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Sorghum Silage	24.00	Ton	\$60.00	\$1,440.00	\$175,680.00
Total Revenue				\$1,440.00	\$175,680.00
				Enterprise	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
Production Costs					
Fertilizer					
Fertilizer (N) - Liquid	70	Pound	\$1.06	\$74.20	\$9,052.40
Fertilizer (P) - Liquid	88	Pound	\$1.16	\$102.08	\$12,453.76
Fertilizer (N) - NH3	150	Pound	\$0.90	\$135.00	\$16,470.00
Custom					
Harvest and Haul - Sorghum Silage	24	Ton	\$7.00	\$168.00	\$20,496.00
Fertilizer Application - Liquid High	1	Acre	\$4.75	\$4.75	\$579.50
Fertilizer Application - Liquid Low	1	Acre	\$3.50	\$3.50	\$427.00
Fertilizer Application - NH3	1	Acre	\$3.50	\$3.50	\$427.00
Miscellaneous					
Crop Insurance Sorghum Silage	1	Acre	\$23.00	\$23.00	\$2,806.00
Insecticide					
Insecticide and Apply Sorghum Silage	1	Acre	\$4.29	\$4.29	\$523.38
Herbicide					
Herbicide and Apply Sorghum Silage	1	Acre	\$10.50	\$10.50	\$1,281.00
Seed					
Seed - Sorghum	7	Pound	\$2.40	\$16.80	\$2,049.60
Irrigation					
Energy Cost	16.00	AcreInch	\$10.00	\$160.00	\$19,520.00
Irrigation Labor	1.00	Hour	\$12.00	\$12.00	\$1,464.00
Machinery Labor					
Tractors/Self-Propelled	0.61	Hour	\$12.00	\$7.32	\$893.04
Other Labor	0.69	Hour	\$12.00	\$8.28	\$1,010.16
Diesel Fuel					
Tractors/Self-Propelled	3.2	Gallon	\$2.75	\$8.80	\$1,073.60
Gasoline					
Pickup/General Use Equipment	1	Acre	\$5.12	\$5.12	\$625.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$0.50	\$0.50	\$61.00
Irrigation Equipment	1	Acre	\$27.25	\$27.25	\$3,324.50
Tractors/Self-Propelled	1	Acre	\$6.00	\$6.00	\$732.00
Implements	1	Acre	\$3.00	\$3.00	\$366.00
Interest on Credit Line			8.00%	\$14.86	\$1,812.45
Total Variable Costs				\$798.75	\$97,447.39
Planned Returns Above Variable Costs:				\$641.25	\$78,232.61
Breakeven Price to Cover Variable Costs			\$33.28	Ton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Equipment Fixed Costs					
Pickup/General Use Equipment	1	Acre	\$1.25	\$1.25	\$152.50
Irrigation Equipment	1	Acre	\$55.00	\$55.00	\$6,710.00
Tractors/Self-Propelled	1	Acre	\$12.00	\$12.00	\$1,464.00
Implements	1	Acre	\$10.00	\$10.00	\$1,220.00
Management Fee, Owner/Operator Labor	1	Acre	\$25.00	\$25.00	\$3,050.00
Cash Rent - Sorghum Silage	1	Acre	\$100.00	\$100.00	\$12,200.00
Whole Farm Insurance	1	Acre	\$2.00	\$2.00	\$244.00
Total Fixed Costs				\$205.25	\$25,040.50
Total Specified Costs				\$1,004.00	\$122,487.89
Returns Above Specified Costs				\$436.00	\$53,192.11
Breakeven Price to Cover Total Costs			\$41.83	Ton	

Developed by Agricultural Economists, Texas A&M AgriLife Extension. 806-746-6101

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.