

**2021 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	\$45.00	\$1,080.00	\$131,760.00
<b>Total Revenue</b>				<b>\$1,080.00</b>	<b>\$131,760.00</b>
				Enterprise	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
<b>Production Costs</b>					
Fertilizer					
Fertilizer (N) - Liquid	70	Pound	\$0.38	\$26.60	\$3,245.20
Fertilizer (P) - Liquid	88	Pound	\$0.64	\$56.32	\$6,871.04
Fertilizer (N) - NH3	150	Pound	\$0.30	\$45.73	\$5,579.27
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	\$1.90	\$6.08	\$741.76
Gasoline					
Pickup/General Use Equipment	1	Acre	\$4.51	\$4.51	\$550.00
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			6.00%	\$7.71	\$940.98
<b>Total Variable Costs</b>				<b>\$605.64</b>	<b>\$73,888.43</b>
Planned Returns Above Variable Costs:				\$474.36	\$57,871.57
Breakeven Price to Cover Variable Costs			\$25.24	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
<b>Total Fixed Costs</b>				<b>\$205.25</b>	<b>\$25,040.50</b>
<b>Total Specified Costs</b>				<b>\$810.89</b>	<b>\$98,928.93</b>
Returns Above Specified Costs				\$269.11	\$32,831.07
<b>Breakeven Price to Cover Total Costs</b>			<b>\$33.79</b>	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.**