

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

Crop Acres		122			
				Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Grain Sorghum	45.00	CWT	\$10.20	\$459.00	\$55,998.00
<b>Total Revenue</b>				<b>\$459.00</b>	<b>\$55,998.00</b>
				Enterprise	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
<b>Production Costs</b>					
Herbicide					
Herbicide and Apply Sorghum Irrigated	1	Acre	\$21.12	\$21.12	\$2,576.64
Seed					
Seed - Sorghum	4.5	Pound	\$2.40	\$10.80	\$1,317.60
Fertilizer					
Fertilizer (P) - Liquid	50	Pound	\$1.16	\$58.00	\$7,076.00
Fertilizer (N) - Liquid	40	Pound	\$1.06	\$42.40	\$5,172.80
Fertilizer (N) - NH3	60	Pound	\$0.90	\$54.00	\$6,588.00
Custom					
Harvest and Haul - Sorghum	55	CWT	\$0.60	\$33.00	\$4,026.00
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 - Irrigated	1	Acre	\$27.00	\$27.00	\$3,294.00
Insecticide					
Insecticide and Apply Sorghum	1	Acre	\$25.00	\$25.00	\$3,050.00
Irrigation					
Energy Cost	9.00	AcreInch	\$10.00	\$90.00	\$10,980.00
Irrigation Labor	0.75	Hour	\$12.00	\$9.00	\$1,098.00
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	\$15.75	\$15.75	\$1,921.50
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%	\$14.14	\$1,724.77
<b>Total Variable Costs</b>				<b>\$450.98</b>	<b>\$55,019.61</b>
Planned Returns Above Variable Costs:				\$8.02	\$978.39
Breakeven Price to Cover Variable Costs			\$10.02 CWT		
				Enterprise	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total
<b>Equipment Fixed Costs</b>					
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	\$30.00	\$30.00	\$3,660.00
Cash Rent - Sorghum Irrigated	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>\$210.25</b>	<b>\$25,650.50</b>
<b>Total Specified Costs</b>				<b>\$661.23</b>	<b>\$80,670.11</b>
Returns Above Specified Costs				(\$202.23)	(\$24,672.11)
Breakeven Price to Cover Total Costs			\$14.69 CWT		

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.*