

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2025 Estimated Costs and Returns per Acre**  
**Irrigated Sorghum**  
**South Plains Extension District - 2**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Grain Sorghum	45.00	CWT	\$7.67	\$345.15	\$42,108.30	\$42,108.30
<b>Total Revenue</b>				<b>\$345.15</b>	<b>\$42,108.30</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Herbicide						
Herbicide and Apply Sorghum Irrig:	1	Acre	\$21.12	\$21.12	\$2,576.64	
Seed						
Seed - Sorghum	4.5	Pound	\$2.40	\$10.80	\$1,317.60	
Fertilizer						
Fertilizer (N) - Liquid	40	Pound	\$0.60	\$24.00	\$2,928.00	
Fertilizer (P) - Liquid	50	Pound	\$0.92	\$45.80	\$5,587.60	
Fertilizer (N) - NH3	60	Pound	\$0.45	\$26.88	\$3,279.36	
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	\$22.40	\$22.40	\$2,732.80	
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	\$16.00	\$12.00	\$1,464.00	
Machinery Labor						
Tractors/Self-Propelled	0.61	Hour	\$16.00	\$9.76	\$1,190.72	
Other Labor	0.69	Hour	\$16.00	\$11.04	\$1,346.88	
Diesel Fuel						
Tractors/Self-Propelled	3.2	Gallon	\$2.92	\$9.34	\$1,139.58	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.41	\$5.41	\$659.75	
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			8.50%	\$13.22	\$1,613.10	
<b>Total Variable Costs</b>				<b>\$396.77</b>	<b>\$48,406.02</b>	
Planned Returns Above Variable Costs:				<b>(\$51.62)</b>	<b>(\$6,297.72)</b>	
Breakeven Price to Cover Variable Costs			\$8.82	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<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>\$607.02</b>	<b>\$74,056.52</b>	
Returns Above Specified Costs				<b>(\$261.87)</b>	<b>(\$31,948.22)</b>	
<b>Breakeven Price to Cover Total Costs</b>			<b>\$13.49</b>	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	33.75	\$11.76	\$17.99
90%	40.50	\$9.80	\$14.99
100%	45.00	\$8.82	\$13.49
110%	49.50	\$8.02	\$12.26
125%	56.25	\$7.05	\$10.79

Developed by Andrew Wright, Assistant Professor and Extension Specialist, 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.**