

Projections for Planning Purposes Only -- Not to be Used without Updating
2024 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	\$8.60	\$387.00		\$47,214.00
Total Revenue				\$387.00		\$47,214.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise
Production Costs						
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	\$0.61	\$24.44		\$2,981.68
Fertilizer (P) - Liquid	50	Pound	\$0.88	\$44.20		\$5,392.40
Fertilizer (N) - NH3	60	Pound	\$0.47	\$28.20		\$3,440.40
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	\$3.00	\$9.60		\$1,170.81
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.20	\$5.20		\$634.75
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			9.00%	\$13.86		\$1,690.91
Total Variable Costs				\$394.02		\$48,070.39
Planned Returns Above Variable Costs:				(\$7.02)		(\$856.39)
Breakeven Price to Cover Variable Costs			\$8.76	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total		Enterprise
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	\$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
Total Fixed Costs				\$210.25		\$25,650.50
Total Specified Costs				\$604.27		\$73,720.89
Returns Above Specified Costs				(\$217.27)		(\$26,506.89)
Breakeven Price to Cover Total Costs			\$13.43	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	33.75	\$11.67	\$17.90
90%	40.50	\$9.73	\$14.92
100%	45.00	\$8.76	\$13.43
110%	49.50	\$7.96	\$12.21
125%	56.25	\$7.00	\$10.74

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.