

**2021 Estimated Costs and Returns per Acre
Irrigated Sorghum
South Plains Extension District - 2**

Crop Acres		122			
				Total	Enterprise Total
REVENUE					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Grain Sorghum	55.00	CWT	\$6.50	\$357.50	\$43,615.00
Total Revenue				\$357.50	\$43,615.00
VARIABLE COSTS					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
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	44	Pound	\$0.64	\$28.16	\$3,435.52
Fertilizer (N) - Liquid	40	Pound	\$0.38	\$15.20	\$1,854.40
Fertilizer (N) - NH3	70	Pound	\$0.30	\$21.34	\$2,603.66
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	\$29.00	\$29.00	\$3,538.00
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	\$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	\$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			6.00%	\$8.26	\$1,007.36
Total Variable Costs				\$354.07	\$43,196.14
Planned Returns Above Variable Costs:				\$3.43	\$418.86
Breakeven Price to Cover Variable Costs				\$6.44	CWT
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	\$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				\$564.32	\$68,846.64
Returns Above Specified Costs				(\$206.82)	(\$25,231.64)
Breakeven Price to Cover Total Costs				\$10.26	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.