

Projections for Planning Purposes Only -- Not to be Used without Updating
2023 Estimated Costs and Returns per Acre
St. Lawrence Early Planted Grain Sorghum, Drip Irrigated, 40 Inch Rows
Far West Extension District - 6

Crop Acres		40.6				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Grain Sorghum		47.60	CWT	\$10.36	\$493.14	\$20,021.32
Total Revenue					\$493.14	\$20,021.32
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Herbicide						
	Atrazine	0.5	Quart	\$3.43	\$1.72	\$69.63
	Husky	16	Ounce	\$0.88	\$14.12	\$573.47
Seed						
	Grain Sorghum Seed - Treated	8	pound	\$3.98	\$31.84	\$1,292.70
Fertilizer						
	Potash 0-0-60	60	Pound	\$0.42	\$25.20	\$1,023.12
	N-32	83.2	Pound	\$0.53	\$44.10	\$1,790.30
Custom						
	Soil Test-Irrigated	1	Acre	\$0.50	\$0.50	\$20.30
	Haul Grain	85	Bushel	\$0.27	\$22.95	\$931.77
Miscellaneous						
	IRR. G.S. RP 65%, ent, Glasscock co.	1	Acre	\$10.38	\$10.38	\$421.43
Irrigation						
	Energy Cost	8.00	AcreInch	\$12.58	\$100.61	\$4,084.86
	Irrigation Labor	3.04	Hour	\$17.50	\$53.19	\$2,159.49
Machinery Labor						
	Tractors/Self-Propelled	0.69	Hour	\$17.21	\$11.87	\$482.12
	Other Labor	0.02	Hour	\$17.21	\$0.34	\$13.97
Diesel Fuel						
	Tractors/Self-Propelled	6.76	Gallon	\$2.24	\$15.14	\$614.78
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$5.41	\$5.41	\$219.45
Repairs & Maintenance						
	Pickup/General Use Equipment	1	Acre	\$1.67	\$1.67	\$67.73
	Irrigation Equipment	1	Acre	\$3.52	\$3.52	\$142.91
	Tractors/Self-Propelled	1	Acre	\$26.74	\$26.74	\$1,085.49
	Implements	1	Acre	\$12.57	\$12.57	\$510.22
	Interest on Credit Line			8.00%	\$16.03	\$650.86
Total Variable Costs					\$397.90	\$16,154.60
Planned Returns Above Variable Costs:					\$95.24	\$3,866.72
Breakeven Price to Cover Variable Costs				\$8.36	CWT	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation						
	Pickup/General Use Equipment	1	Acre	\$3.49	\$3.49	\$141.75
	Irrigation Equipment	1	Acre	\$95.12	\$95.12	\$3,861.72
	Tractors/Self-Propelled	1	Acre	\$26.55	\$26.55	\$1,077.77
	Implements	1	Acre	\$16.04	\$16.04	\$651.36
Equipment Investment						
	Pickup/General Use Equipment	\$21.34	Dollars	8.00%	\$1.71	\$69.30
	Irrigation Equipment	\$970.38	Dollars	8.00%	\$77.63	\$3,151.79
	Tractors/Self-Propelled	\$202.00	Dollars	8.00%	\$16.16	\$656.10
	Implements	\$77.76	Dollars	8.00%	\$6.22	\$252.58
	Lease value - Drip	1	Acre	\$50.00	\$50.00	\$2,030.00
Total Fixed Costs					\$292.92	\$11,892.37
Total Specified Costs					\$690.81	\$28,046.98
Returns Above Specified Costs					(\$197.68)	(\$8,025.65)
Breakeven Price to Cover Total Costs				\$14.51	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	35.70	\$11.15	\$19.35
90%	42.84	\$9.29	\$16.13
100%	47.60	\$8.36	\$14.51
110%	52.36	\$7.60	\$13.19
125%	59.50	\$6.69	\$11.61

Developed by Bill Thompson, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service, 325-653-4576.

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.