

Projections for Planning Purposes Only -- Not to be Used without Updating
2022 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				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Grain Sorghum	47.60	CWT	\$9.11	\$433.64	\$17,605.62	\$17,605.62
Total Revenue				\$433.64	\$17,605.62	\$17,605.62
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Herbicide						
Atrazine	0.5	Quart	\$3.43	\$1.72	\$69.63	\$69.63
Husky	16	Ounce	\$0.88	\$14.12	\$573.47	\$573.47
Seed						
Grain Sorghum Seed - Treated	8	pound	\$3.98	\$31.84	\$1,292.70	\$1,292.70
Fertilizer						
Potash 0-0-60	60	Pound	\$0.30	\$18.00	\$730.80	\$730.80
N-32	83.2	Pound	\$0.55	\$45.76	\$1,857.86	\$1,857.86
Custom						
Soil Test-Irrigated	1	Acre	\$0.50	\$0.50	\$20.30	\$20.30
Haul Grain	85	Bushel	\$0.27	\$22.95	\$931.77	\$931.77
Miscellaneous						
IRR. G.S. RP 65%, ent, Glasscock co.	1	Acre	\$10.38	\$10.38	\$421.43	\$421.43
Irrigation						
Energy Cost	8.00	AcreInch	\$5.92	\$47.35	\$1,922.29	\$1,922.29
Irrigation Labor	3.04	Hour	\$16.38	\$49.79	\$2,021.29	\$2,021.29
Machinery Labor						
Tractors/Self-Propelled	0.33	Hour	\$16.12	\$5.32	\$215.98	\$215.98
Other Labor	0.01	Hour	\$16.12	\$0.16	\$6.54	\$6.54
Diesel Fuel						
Tractors/Self-Propelled	3.14	Gallon	\$2.67	\$8.38	\$340.38	\$340.38
Gasoline						
Pickup/General Use Equipment	1	Acre	\$6.47	\$6.47	\$262.50	\$262.50
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$1.67	\$1.67	\$67.73	\$67.73
Irrigation Equipment	1	Acre	\$3.52	\$3.52	\$142.91	\$142.91
Tractors/Self-Propelled	1	Acre	\$13.60	\$13.60	\$552.30	\$552.30
Implements	1	Acre	\$5.59	\$5.59	\$227.11	\$227.11
Interest on Credit Line			6.30%	\$9.47	\$384.65	\$384.65
Total Variable Costs				\$296.59	\$12,041.63	\$12,041.63
Planned Returns Above Variable Costs:				\$137.04	\$5,563.99	\$5,563.99
Breakeven Price to Cover Variable Costs			\$6.23	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$3.49	\$3.49	\$141.75	\$141.75
Irrigation Equipment	1	Acre	\$95.12	\$95.12	\$3,861.72	\$3,861.72
Tractors/Self-Propelled	1	Acre	\$13.30	\$13.30	\$539.97	\$539.97
Implements	1	Acre	\$7.28	\$7.28	\$295.75	\$295.75
Equipment Investment						
Pickup/General Use Equipment	\$21.34	Dollars	6.30%	\$1.34	\$54.57	\$54.57
Irrigation Equipment	\$970.38	Dollars	6.30%	\$61.13	\$2,482.04	\$2,482.04
Tractors/Self-Propelled	\$100.99	Dollars	6.30%	\$6.36	\$258.32	\$258.32
Implements	\$36.24	Dollars	6.30%	\$2.28	\$92.70	\$92.70
Lease value - Drip	1	Acre	\$50.00	\$50.00	\$2,030.00	\$2,030.00
Total Fixed Costs				\$240.32	\$9,756.83	\$9,756.83
Total Specified Costs				\$536.91	\$21,798.46	\$21,798.46
Returns Above Specified Costs				(\$103.27)	(\$4,192.84)	(\$4,192.84)
Breakeven Price to Cover Total Costs			\$11.28	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	35.70	\$8.31	\$15.04
90%	42.84	\$6.92	\$12.53
100%	47.60	\$6.23	\$11.28
110%	52.36	\$5.66	\$10.25
125%	59.50	\$4.98	\$9.02

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.