

Projections for Planning Purposes Only -- Not to be Used without Updating
2021 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
Grain Sorghum	47.60	CWT	\$4.85	\$230.86	\$9,372.92
Total Revenue				\$230.86	\$9,372.92
				Enterprise	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	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	\$0.30	\$18.00	\$730.80
N-32	83.2	Pound	\$0.38	\$31.85	\$1,293.07
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	\$15.00	\$45.59	\$1,850.99
Machinery Labor					
Tractors/Self-Propelled	0.69	Hour	\$15.00	\$10.35	\$420.21
Other Labor	0.02	Hour	\$15.00	\$0.30	\$12.18
Diesel Fuel					
Tractors/Self-Propelled	6.76	Gallon	\$1.50	\$10.14	\$411.68
Gasoline					
Pickup/General Use Equipment	1	Acre	\$4.66	\$4.66	\$189.00
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			4.55%	\$8.29	\$336.44
Total Variable Costs				\$355.79	\$14,444.88
Planned Returns Above Variable Costs:				(\$124.93)	(\$5,071.97)
Breakeven Price to Cover Variable Costs			\$7.47	CWT	
				Enterprise	
FIXED COSTS	Quantity	Units	\$/Unit	Total	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	5.50%	\$1.17	\$47.64
Irrigation Equipment	\$970.38	Dollars	5.50%	\$53.37	\$2,166.86
Tractors/Self-Propelled	\$202.00	Dollars	5.50%	\$11.11	\$451.07
Implements	\$77.76	Dollars	5.50%	\$4.28	\$173.65
Lease value - Drip	1	Acre	\$50.00	\$50.00	\$2,030.00
Total Fixed Costs				\$261.13	\$10,601.82
Total Specified Costs				\$616.91	\$25,046.70
Returns Above Specified Costs				(\$386.05)	(\$15,673.78)
Breakeven Price to Cover Total Costs			\$12.96	CWT	

Example Breakeven Prices			
Exampk	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	CWT	Costs	Costs
75%	35.70	\$9.97	\$17.28
90%	42.84	\$8.30	\$14.40
100%	47.60	\$7.47	\$12.96
110%	52.36	\$6.79	\$11.78
125%	59.50	\$5.98	\$10.37

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.