

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 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	\$6.42	\$305.59	\$12,407.04	\$12,407.04
Total Revenue				\$305.59	\$12,407.04	\$12,407.04
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Seed						
Grain Sorghum Seed - Treated	8	pound	\$3.80	\$30.40	\$1,234.24	
Fertilizer						
N-32	83.2	Pound	\$0.41	\$34.11	\$1,384.95	
Potash 0-0-60	60	Pound	\$0.33	\$19.50	\$791.70	
Miscellaneous						
IRR. G.S. RP 65%, ent, Glasscock c	1	Acre	\$10.44	\$10.44	\$423.86	
Herbicide						
Atrazine	0.5	Quart	\$3.43	\$1.72	\$69.63	
Husky	16	Ounce	\$0.88	\$14.12	\$573.47	
Custom						
Soil Test-Irrigated	1	Acre	\$0.50	\$0.50	\$20.30	
Haul Grain	85	Bushel	\$0.27	\$22.95	\$931.77	
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	6.77	Gallon	\$2.60	\$17.60	\$714.64	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$6.21	\$6.21	\$252.00	
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	\$25.44	\$25.44	\$1,032.84	
Implements	1	Acre	\$11.66	\$11.66	\$473.34	
Interest on Credit Line			6.00%	\$11.20	\$454.63	
Total Variable Costs				\$367.89	\$14,936.25	
Planned Returns Above Variable Costs:				(\$62.30)	(\$2,529.21)	
Breakeven Price to Cover Variable Costs			\$7.73	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
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	\$25.25	\$25.25	\$1,025.05	
Implements	1	Acre	\$15.01	\$15.01	\$609.28	
Equipment Investment						
Pickup/General Use Equipment	\$21.34	Dollars	6.00%	\$1.28	\$51.98	
Irrigation Equipment	\$970.38	Dollars	6.00%	\$58.22	\$2,363.84	
Tractors/Self-Propelled	\$192.18	Dollars	6.00%	\$11.53	\$468.16	
Implements	\$71.69	Dollars	6.00%	\$4.30	\$174.64	
Lease value - Drip	1	Acre	\$50.00	\$50.00	\$2,030.00	
Total Fixed Costs				\$264.20	\$10,726.42	
Total Specified Costs				\$632.09	\$25,662.66	
Returns Above Specified Costs				(\$326.49)	(\$13,255.63)	
Breakeven Price to Cover Total Costs			\$13.28	CWT		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	CWT	Costs	Costs
75%	35.70	\$10.30	\$17.71
90%	42.84	\$8.59	\$14.75
100%	47.60	\$7.73	\$13.28
110%	52.36	\$7.03	\$12.07
125%	59.50	\$6.18	\$10.62

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.