

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2019 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	\$6.00	\$285.60	\$11,595.36	\$11,595.36
<b>Total Revenue</b>				<b>\$285.60</b>	<b>\$11,595.36</b>	<b>\$11,595.36</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
<b>Seed</b>						
Grain Sorghum Seed - Treated	8	pound	\$3.80	\$30.40	\$1,234.24	
<b>Fertilizer</b>						
N-32	83.2	Pound	\$0.42	\$35.09	\$1,424.81	
Potash 0-0-60	60	Pound	\$0.33	\$19.50	\$791.70	
<b>Miscellaneous</b>						
IRR. G.S. RP 65%, ent, Glasscock c	1	Acre	\$9.48	\$9.48	\$384.89	
<b>Herbicide</b>						
Atrazine	0.5	Quart	\$3.13	\$1.56	\$63.44	
Husky	16	Ounce	\$0.88	\$14.12	\$573.47	
<b>Custom</b>						
Soil Test-Irrigated	1	Acre	\$0.50	\$0.50	\$20.30	
Haul Grain	85	Bushel	\$0.27	\$22.95	\$931.77	
<b>Irrigation</b>						
Energy Cost	8.00	AcreInch	\$12.58	\$100.61	\$4,084.86	
Irrigation Labor	3.04	Hour	\$11.00	\$33.43	\$1,357.40	
<b>Machinery Labor</b>						
Tractors/Self-Propelled	0.69	Hour	\$12.00	\$8.28	\$336.17	
Other Labor	0.02	Hour	\$8.50	\$0.17	\$6.90	
<b>Diesel Fuel</b>						
Tractors/Self-Propelled	6.77	Gallon	\$2.99	\$20.24	\$821.84	
<b>Gasoline</b>						
Pickup/General Use Equipment	1	Acre	\$7.47	\$7.47	\$303.45	
<b>Repairs &amp; Maintenance</b>						
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	\$23.91	\$23.91	\$970.81	
Implements	1	Acre	\$11.17	\$11.17	\$453.64	
Interest on Credit Line			6.50%	\$11.78	\$478.45	
<b>Total Variable Costs</b>				<b>\$355.88</b>	<b>\$14,448.77</b>	
<b>Planned Returns Above Variable Costs:</b>				<b>(\$70.28)</b>	<b>(\$2,853.41)</b>	
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$7.48</b>	<b>CWT</b>		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery Depreciation</b>						
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	\$23.64	\$23.64	\$959.84	
Implements	1	Acre	\$14.29	\$14.29	\$580.11	
<b>Equipment Investment</b>						
Pickup/General Use Equipment	\$21.34	Dollars	6.50%	\$1.39	\$56.31	
Irrigation Equipment	\$970.38	Dollars	6.50%	\$63.07	\$2,560.83	
Tractors/Self-Propelled	\$179.90	Dollars	6.50%	\$11.69	\$474.75	
Implements	\$68.65	Dollars	6.50%	\$4.46	\$181.17	
Lease value - Drip	1	Acre	\$50.00	\$50.00	\$2,030.00	
<b>Total Fixed Costs</b>				<b>\$267.15</b>	<b>\$10,846.48</b>	
<b>Total Specified Costs</b>				<b>\$623.04</b>	<b>\$25,295.25</b>	
<b>Returns Above Specified Costs</b>				<b>(\$337.44)</b>	<b>(\$13,699.89)</b>	
<b>Breakeven Price to Cover Total Costs</b>			<b>\$13.09</b>	<b>CWT</b>		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	CWT	Costs	Costs
75%	35.70	\$9.97	\$17.45
90%	42.84	\$8.31	\$14.54
100%	47.60	\$7.48	\$13.09
110%	52.36	\$6.80	\$11.90
125%	59.50	\$5.98	\$10.47

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.**