

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2018 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>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
<b>Seed</b>						
Grain Sorghum Seed - Treated	8	pound	\$3.60	\$28.80	\$1,169.28	
<b>Fertilizer</b>						
0-60-0	60	Pound	\$0.27	\$16.20	\$657.72	
N-32	83.2	Pound	\$0.35	\$29.24	\$1,187.34	
<b>Miscellaneous</b>						
IRR. G.S. RP 65%, ent, Glasscock c	1	Acre	\$10.47	\$10.47	\$425.08	
<b>Herbicide</b>						
Atrazine	0.5	Quart	\$3.38	\$1.69	\$68.61	
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	\$12.00	\$36.47	\$1,480.80	
<b>Machinery Labor</b>						
Tractors/Self-Propelled	0.69	Hour	\$12.00	\$8.28	\$336.17	
Other Labor	0.02	Hour	\$12.00	\$0.24	\$9.74	
<b>Diesel Fuel</b>						
Tractors/Self-Propelled	6.77	Gallon	\$2.14	\$14.49	\$588.20	
<b>Gasoline</b>						
Pickup/General Use Equipment	1	Acre	\$6.18	\$6.18	\$250.95	
<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	\$23.24	\$23.24	\$943.69	
Implements	1	Acre	\$10.92	\$10.92	\$443.51	
Interest on Credit Line			6.50%	\$11.23	\$455.96	
<b>Total Variable Costs</b>				<b>\$340.84</b>	<b>\$13,838.09</b>	
<b>Planned Returns Above Variable Costs:</b>				<b>(\$55.24)</b>	<b>(\$2,242.73)</b>	
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$7.16</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	\$22.99	\$22.99	\$933.19	
Implements	1	Acre	\$13.94	\$13.94	\$566.06	
<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	\$174.97	Dollars	6.50%	\$11.37	\$461.73	
Implements	\$67.00	Dollars	6.50%	\$4.35	\$176.80	
Lease value - Drip	1	Acre	\$50.00	\$50.00	\$2,030.00	
<b>Total Fixed Costs</b>				<b>\$265.72</b>	<b>\$10,788.40</b>	
<b>Total Specified Costs</b>				<b>\$606.56</b>	<b>\$24,626.48</b>	
<b>Returns Above Specified Costs</b>				<b>(\$320.96)</b>	<b>(\$13,031.12)</b>	
<b>Breakeven Price to Cover Total Costs</b>			<b>\$12.74</b>	<b>CWT</b>		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	CWT	Costs	Costs
75%	35.70	\$9.55	\$16.99
90%	42.84	\$7.96	\$14.16
100%	47.60	\$7.16	\$12.74
110%	52.36	\$6.51	\$11.58
125%	59.50	\$5.73	\$10.19

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.**