

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2015 Estimated Costs and Returns per Acre**  
**St. Lawrence Early Planted Grain Sorghum, Drip Irrigated, 40 Inch Rows - 40.6 Acres**  
**Far West Extension District - 6**

Crop Acres		40.6				Enterprise
REVENUE		Quantity	Units	\$/Unit	Total	Total
Grain Sorghum		47.60	CWT	\$7.10	\$337.96	\$13,721.18
Total Revenue					\$337.96	\$13,721.18
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
Grain Sorghum Seed		50	Thousand	\$0.31	\$15.63	\$634.38
Fertilizer						
Phosphate		60	Pound	\$0.42	\$25.00	\$1,015.00
N-32		83.2	Pound	\$0.55	\$45.49	\$1,847.05
Custom						
Haul Grain		85	Bushel	\$0.20	\$17.00	\$690.20
Soil Test-Irrigated		1	Acre	\$0.50	\$0.50	\$20.30
Miscellaneous						
IRR. G.S. RP 65%, ent, Glasscock		1	Acre	\$8.33	\$8.33	\$338.20
Herbicide						
Atrazine		0.5	Quart	\$3.63	\$1.82	\$73.69
Husky		16	Ounce	\$0.83	\$13.34	\$541.77
Irrigation						
Energy Cost		8.00	AcreInch	\$12.58	\$100.61	\$4,084.86
Irrigation Labor		3.04	Hour	\$11.00	\$33.43	\$1,357.40
Machinery Labor						
Tractors/Self-Propelled		0.87	Hour	\$12.00	\$10.44	\$423.86
Diesel Fuel						
Tractors/Self-Propelled		7.29	Gallon	\$2.15	\$15.67	\$636.34
Gasoline						
Pickup/General Use Equipment		1	Acre	\$5.66	\$5.66	\$229.95
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	\$23.08	\$23.08	\$936.95
Implements		1	Acre	\$12.00	\$12.00	\$487.18
Interest on Credit Line				6.50%	\$11.09	\$450.19
Total Variable Costs					\$344.28	\$13,977.94
Planned Returns Above Variable Costs:					(\$6.32)	(\$256.77)
Breakeven Price to Cover Variable Costs				\$7.23	CWT	
FIXED COSTS		Quantity	Units	\$/Unit	Total	Enterprise 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	\$22.75	\$22.75	\$923.64
Implements		1	Acre	\$14.97	\$14.97	\$607.62
Equipment Investment						
Pickup/General Use Equipment		\$38.79	Dollars	6.50%	\$2.52	\$102.38
Irrigation Equipment		\$1,921.54	Dollars	6.50%	\$124.90	\$5,070.95
Tractors/Self-Propelled		\$258.39	Dollars	6.50%	\$16.80	\$681.89
Implements		\$123.77	Dollars	6.50%	\$8.04	\$326.62
Lease value - Drip		1	Acre	\$50.00	\$50.00	\$2,030.00
Total Fixed Costs					\$338.59	\$13,746.58
Total Specified Costs					\$682.87	\$27,724.52
Returns Above Specified Costs					(\$344.91)	(\$14,003.35)
Breakeven Price to Cover Total Costs				\$14.35	CWT	

Example Breakeven Prices						
Example Yield Percent	Example Yield CWT	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	Share/Tenant	Own/Rent	Share/Tenant	Landlord
75%	35.70	\$9.64	\$9.64	\$19.13	\$19.13	\$0.00
90%	42.84	\$8.04	\$8.04	\$15.94	\$15.94	\$0.00
100%	47.60	\$7.23	\$7.23	\$14.35	\$14.35	\$0.00
110%	52.36	\$6.58	\$6.58	\$13.04	\$13.04	\$0.00
125%	59.50	\$5.79	\$5.79	\$11.48	\$11.48	\$0.00

Developed by Bill Thompson, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service.

**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.**