

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 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				
		Quantity	Units	\$/Unit	Total	Enterprise Total
REVENUE						
Grain Sorghum		47.60	CWT	\$6.00	\$285.60	\$11,595.36
Total Revenue					\$285.60	\$11,595.36
VARIABLE COSTS						
Production Costs						
Herbicide						
Atrazine		0.5	Quart	\$3.38	\$1.69	\$68.61
Husky		16	Ounce	\$0.88	\$14.08	\$571.65
Seed						
Grain Sorghum Seed - Treated		8	pound	\$3.88	\$31.04	\$1,260.22
Fertilizer						
N-32		83.2	Pound	\$0.39	\$32.45	\$1,317.39
0-60-0		60	Pound	\$0.27	\$16.20	\$657.72
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 c		1	Acre	\$11.82	\$11.82	\$479.89
Irrigation						
Energy Cost		8.00	AcreInch	\$12.58	\$100.61	\$4,084.86
Irrigation Labor		3.04	Hour	\$12.00	\$36.47	\$1,480.80
Machinery Labor						
Tractors/Self-Propelled		0.74	Hour	\$12.00	\$8.88	\$360.53
Diesel Fuel						
Tractors/Self-Propelled		6.74	Gallon	\$1.75	\$11.80	\$478.88
Gasoline						
Pickup/General Use Equipment		1	Acre	\$5.43	\$5.43	\$220.50
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	\$23.25	\$23.25	\$944.00
Implements		1	Acre	\$11.04	\$11.04	\$448.19
Interest on Credit Line				6.50%	\$11.00	\$446.62
Total Variable Costs					\$344.40	\$13,982.57
Planned Returns Above Variable Costs:					(\$58.80)	(\$2,387.21)
Breakeven Price to Cover Variable Costs				\$7.24 CWT		
FIXED COSTS						
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	\$23.06	\$23.06	\$936.24
Implements		1	Acre	\$14.04	\$14.04	\$570.10
Equipment Investment						
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		\$175.45	Dollars	6.50%	\$11.40	\$463.01
Implements		\$67.22	Dollars	6.50%	\$4.37	\$177.39
Lease value - Drip		1	Acre	\$50.00	\$50.00	\$2,030.00
Total Fixed Costs					\$265.94	\$10,797.36
Total Specified Costs					\$610.34	\$24,779.92
Returns Above Specified Costs					(\$324.74)	(\$13,184.56)
Breakeven Price to Cover Total Costs				\$12.82 CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	35.70	\$9.65	\$17.10
90%	42.84	\$8.04	\$14.25
100%	47.60	\$7.24	\$12.82
110%	52.36	\$6.58	\$11.66
125%	59.50	\$5.79	\$10.26

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.