

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 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	\$6.45	\$307.02	\$12,465.01
Total Revenue				\$307.02	\$12,465.01
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Atrazine	0.5	Quart	\$3.86	\$1.93	\$78.36
Husky	16	Ounce	\$0.85	\$13.56	\$550.64
Seed					
Grain Sorghum Seed - Treated	8	pound	\$3.80	\$30.40	\$1,234.24
Fertilizer					
N-32	83.2	Pound	\$0.50	\$41.60	\$1,688.96
Phosphate 0-46-0	60	Pound	\$0.38	\$22.80	\$925.68
Custom					
Soil Test-Irrigated	1	Acre	\$0.50	\$0.50	\$20.30
Haul Grain	85	Bushel	\$0.20	\$17.00	\$690.20
Miscellaneous					
IRR. G.S. RP 65%, ent, Glasscock c	1	Acre	\$8.04	\$8.04	\$326.42
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	0.87	Hour	\$12.00	\$10.44	\$423.86
Diesel Fuel					
Tractors/Self-Propelled	7.29	Gallon	\$1.50	\$10.94	\$443.96
Gasoline					
Pickup/General Use Equipment	1	Acre	\$5.17	\$5.17	\$210.00
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	\$23.08	\$23.08	\$936.95
Implements	1	Acre	\$12.00	\$12.00	\$487.18
Interest on Credit Line			6.50%	\$11.31	\$459.38
Total Variable Costs				\$351.04	\$14,252.42
Planned Returns Above Variable Costs:					
Breakeven Price to Cover Variable Costs				\$7.37	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	\$21.34	Dollars	6.50%	\$1.39	\$56.31
Irrigation Equipment	\$970.38	Dollars	6.50%	\$63.07	\$2,560.83
Tractors/Self-Propelled	\$173.21	Dollars	6.50%	\$11.26	\$457.09
Implements	\$70.90	Dollars	6.50%	\$4.61	\$187.10
Lease value - Drip	1	Acre	\$50.00	\$50.00	\$2,030.00
Total Fixed Costs				\$266.65	\$10,826.07
Total Specified Costs				\$617.70	\$25,078.49
Returns Above Specified Costs					
Breakeven Price to Cover Total Costs				\$12.98	CWT

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	35.70	\$9.83	\$17.30
90%	42.84	\$8.19	\$14.42
100%	47.60	\$7.37	\$12.98
110%	52.36	\$6.70	\$11.80
125%	59.50	\$5.90	\$10.38

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.