

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 Estimated Costs and Returns per Acre
Irrigated Sorghum
Southwest Extension District - 10

Crop Acres		122			
				Total	Enterprise Total
REVENUE					
Sorghum	Quantity	Units	\$/Unit	Total	Total
Sorghum	65.00	CWT	\$6.68	\$434.20	\$52,972.40
Total Revenue				\$434.20	\$52,972.40
VARIABLE COSTS					
				Total	Enterprise Total
Production Costs					
Herbicide					
Atrazine 4L	4	Pint	\$1.92	\$7.68	\$936.96
Prowl H2O	2.5	Pint	\$5.63	\$14.08	\$1,717.15
Seed					
Sorghum Concept Seed	8	Pound	\$3.50	\$28.00	\$3,416.00
Fertilizer					
UAN(32% N)	1.77	CWT	\$17.00	\$30.09	\$3,670.98
Fertilizer 18-46-0	130	Pound	\$0.24	\$31.20	\$3,806.40
Custom					
Haul Sorghum	65	CWT	\$0.18	\$11.70	\$1,427.40
Miscellaneous					
Crop Insurance - Grain Sorghum Irrig	1	Acre	\$17.00	\$17.00	\$2,074.00
Miscellaneous Sorghum Overhead	1	Acre	\$4.00	\$4.00	\$488.00
Insecticide					
Lorsban 4E	1	Pint	\$5.03	\$5.03	\$613.66
Dimethoate 4E	1	Pint	\$5.50	\$5.50	\$671.00
Irrigation					
Energy Cost	552.50	kWh	\$0.17	\$93.93	\$11,458.85
Machinery Labor					
Tractors/Self-Propelled	1.18	Hour	\$12.00	\$14.16	\$1,727.52
Other Labor	0.28	Hour	\$8.50	\$2.38	\$290.36
Diesel Fuel					
Tractors/Self-Propelled	10.69	Gallon	\$2.14	\$22.88	\$2,790.95
Gasoline					
Pickup/General Use Equipment	1	Acre	\$23.13	\$23.13	\$2,821.74
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$4.84	\$4.84	\$590.37
Irrigation Equipment	1	Acre	\$5.75	\$5.75	\$701.01
Tractors/Self-Propelled	1	Acre	\$31.23	\$31.23	\$3,810.15
Implements	1	Acre	\$17.73	\$17.73	\$2,163.40
Interest on Credit Line			6.50%	\$12.75	\$1,555.59
Total Variable Costs				\$383.04	\$46,731.48
Planned Returns Above Variable Costs:				\$51.16	\$6,240.92
Breakeven Price to Cover Variable Costs			\$5.89	CWT	
FIXED COSTS					
				Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20	\$3,074.85
Irrigation Equipment	1	Acre	\$56.20	\$56.20	\$6,856.67
Tractors/Self-Propelled	1	Acre	\$33.23	\$33.23	\$4,054.33
Implements	1	Acre	\$21.37	\$21.37	\$2,606.87
Equipment Investment					
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$832.77
Irrigation Equipment	\$421.52	Dollars	6.50%	\$27.40	\$3,342.63
Tractors/Self-Propelled	\$253.86	Dollars	6.50%	\$16.50	\$2,013.08
Implements	\$100.28	Dollars	6.50%	\$6.52	\$795.25
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$243.25	\$29,676.45
Total Specified Costs				\$626.29	\$76,407.93
Returns Above Specified Costs				(\$192.09)	(\$23,435.53)
Breakeven Price to Cover Total Costs			\$9.64	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	48.75	\$7.86	\$12.85
90%	58.50	\$6.55	\$10.71
100%	65.00	\$5.89	\$9.64
110%	71.50	\$5.36	\$8.76
125%	81.25	\$4.71	\$7.71

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

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.