

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Irrigated Sorghum
Southwest Extension District - 10

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Sorghum	65.00	CWT	\$5.89	\$382.85	\$46,707.70
Total Revenue				\$382.85	\$46,707.70
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Atrazine 4L	4	Pint	\$1.75	\$7.00	\$854.00
Prowl H2O	2.5	Pint	\$6.02	\$15.05	\$1,835.80
Seed					
Sorghum Concept Seed	8	Pound	\$3.90	\$31.20	\$3,806.40
Fertilizer					
UAN(32% N)	1.77	CWT	\$12.95	\$22.92	\$2,796.42
Fertilizer 18-46-0	130	Pound	\$0.25	\$31.85	\$3,885.70
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	\$4.52	\$4.52	\$551.32
Dimethoate 4E	1	Pint	\$5.43	\$5.43	\$661.85
Irrigation					
Energy Cost	561.00	kWh	\$0.17	\$95.37	\$11,635.14
Irrigation Labor	0.07	Hour	\$11.00	\$0.75	\$91.26
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	\$2.49	\$26.62	\$3,247.41
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	\$5.29	\$5.29	\$645.13
Tractors/Self-Propelled	1	Acre	\$34.24	\$34.24	\$4,177.71
Implements	1	Acre	\$18.13	\$18.13	\$2,212.38
Interest on Credit Line			6.50%	\$12.43	\$1,516.33
Total Variable Costs				\$388.00	\$47,336.23
Planned Returns Above Variable Costs:				(\$5.15)	(\$628.53)
Breakeven Price to Cover Variable Costs			\$5.97	CWT	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$25.20	\$25.20	\$3,074.85
Irrigation Equipment	1	Acre	\$80.58	\$80.58	\$9,831.25
Tractors/Self-Propelled	1	Acre	\$36.63	\$36.63	\$4,468.34
Implements	1	Acre	\$21.96	\$21.96	\$2,679.30
Equipment Investment					
Pickup/General Use Equipment	\$105.02	Dollars	6.50%	\$6.83	\$832.77
Irrigation Equipment	\$646.00	Dollars	6.50%	\$41.99	\$5,122.81
Tractors/Self-Propelled	\$279.75	Dollars	6.50%	\$18.18	\$2,218.43
Implements	\$102.97	Dollars	6.50%	\$6.69	\$816.53
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$288.07	\$35,144.28
Total Specified Costs				\$676.07	\$82,480.51
Returns Above Specified Costs				(\$293.22)	(\$35,772.81)
Breakeven Price to Cover Total Costs			\$10.40	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	48.75	\$7.96	\$13.87
90%	58.50	\$6.63	\$11.56
100%	65.00	\$5.97	\$10.40
110%	71.50	\$5.43	\$9.46
125%	81.25	\$4.78	\$8.32

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.