

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 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	\$6.55	\$425.75	\$51,941.50
Total Revenue				\$425.75	\$51,941.50
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Atrazine 4L	4	Pint	\$1.94	\$7.76	\$946.72
Prowl H2O	2.5	Pint	\$5.75	\$14.38	\$1,753.75
Seed					
Sorghum Concept Seed	8	Pound	\$3.50	\$28.00	\$3,416.00
Fertilizer					
UAN(32% N)	1.77	CWT	\$13.00	\$23.01	\$2,807.22
Fertilizer 18-46-0	130	Pound	\$0.29	\$37.70	\$4,599.40
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	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	\$2.99	\$31.96	\$3,899.50
Gasoline					
Pickup/General Use Equipment	1	Acre	\$27.97	\$27.97	\$3,412.06
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	\$31.98	\$31.98	\$3,901.31
Implements	1	Acre	\$17.73	\$17.73	\$2,162.50
Interest on Credit Line			6.50%	\$12.86	\$1,568.68
Total Variable Costs				\$399.35	\$48,720.98
Planned Returns Above Variable Costs:				\$26.40	\$3,220.52
Breakeven Price to Cover Variable Costs			\$6.14	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	\$33.98	\$33.98	\$4,145.68
Implements	1	Acre	\$21.39	\$21.39	\$2,610.04
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	\$259.51	Dollars	6.50%	\$16.87	\$2,057.88
Implements	\$100.57	Dollars	6.50%	\$6.54	\$797.52
Irrigated Winter Garden Rent	1	Acre	\$50.00	\$50.00	\$6,100.00
Total Fixed Costs				\$283.38	\$34,572.81
Total Specified Costs				\$682.74	\$83,293.78
Returns Above Specified Costs				(\$256.99)	(\$31,352.28)
Breakeven Price to Cover Total Costs			\$10.50	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	48.75	\$8.19	\$14.00
90%	58.50	\$6.83	\$11.67
100%	65.00	\$6.14	\$10.50
110%	71.50	\$5.59	\$9.55
125%	81.25	\$4.92	\$8.40

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.