

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Seed Sorghum, Sprinkler Irrigated (NG) - 122 Acres
Panhandle Extension District - 1

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Seed Sorghum - Female Only	45.00	CWT	\$16.90	\$760.50	\$92,781.00
Total Revenue				\$760.50	\$92,781.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Herbicide and Apply Sorghum Irrig.	1	Acre	\$22.75	\$22.75	\$2,775.50
Seed					
Seed - Sorghum	0	Pound	\$1.85	\$0.00	\$0.00
Fertilizer					
Fertilizer (N) - ANH3	65	Pound	\$0.25	\$16.25	\$1,982.50
Fertilizer (P) - Liquid	50	Pound	\$0.47	\$23.50	\$2,867.00
Fertilizer (N) - Liquid	60	Pound	\$0.41	\$24.60	\$3,001.20
Custom					
Fertilizer Application - ANH3	1	Acre	\$15.00	\$15.00	\$1,830.00
Harvest and Haul - Sorghum	45	CWT	\$0.85	\$38.25	\$4,666.50
Miscellaneous					
Crop Insurance Sorghum - Irrigated	1	Acre	\$33.00	\$33.00	\$4,026.00
Insecticide					
Insecticide Head Worm	0.67	Application	\$9.80	\$6.57	\$801.05
Insecticide Sugar Cane Aphid	1	Application	\$21.00	\$21.00	\$2,562.00
Irrigation					
Energy Cost	16.00	AcreInch	\$3.60	\$57.60	\$7,027.20
Irrigation Labor	1.02	Hour	\$12.45	\$12.75	\$1,555.35
Machinery Labor					
Tractors/Self-Propelled	0.7	Hour	\$12.25	\$8.58	\$1,046.15
Diesel Fuel					
Tractors/Self-Propelled	1.91	Gallon	\$1.81	\$3.46	\$421.77
Gasoline					
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$482.50
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00
Irrigation Equipment	1	Acre	\$64.64	\$64.64	\$7,886.08
Tractors/Self-Propelled	1	Acre	\$3.67	\$3.67	\$447.94
Implements	1	Acre	\$12.35	\$12.35	\$1,507.10
Interest on Credit Line			5.40%	\$6.81	\$830.25
Total Variable Costs				\$377.23	\$46,022.09
Planned Returns Above Variable Costs:				\$383.27	\$46,758.91
Breakeven Price to Cover Variable Costs			\$8.38	CWT	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30
Irrigation Equipment	1	Acre	\$40.42	\$40.42	\$4,931.25
Tractors/Self-Propelled	1	Acre	\$3.57	\$3.57	\$435.05
Implements	1	Acre	\$15.49	\$15.49	\$1,889.45
Equipment Investment					
Pickup/General Use Equipment	\$18.18	Dollars	5.65%	\$1.03	\$125.35
Irrigation Equipment	\$521.00	Dollars	5.65%	\$29.44	\$3,591.28
Tractors/Self-Propelled	\$27.78	Dollars	5.65%	\$1.57	\$191.49
Implements	\$66.25	Dollars	5.65%	\$3.74	\$456.67
Cash Rent - Sorghum f	1	Acre	\$72.00	\$72.00	\$8,784.00
Total Fixed Costs				\$169.88	\$20,725.84
Total Specified Costs				\$547.11	\$66,747.93
Returns Above Specified Costs				\$213.39	\$26,033.07
Breakeven Price to Cover Total Costs			\$12.16	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	33.75	\$11.18	\$16.21
90%	40.50	\$9.31	\$13.51
100%	45.00	\$8.38	\$12.16
110%	49.50	\$7.62	\$11.05
125%	56.25	\$6.71	\$9.73

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension, 806-677-5600.

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.