

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Seed Sorghum, Sprinkler Irrigated (NG)
Panhandle Extension District - 1

Crop Acres		122				
		Quantity	Units	\$/Unit	Total	Enterprise Total
REVENUE						
	Seed Sorghum - Female Only	45.00	CWT	\$20.63	\$928.13	\$113,231.25
Total Revenue					\$928.13	\$113,231.25
VARIABLE COSTS						
Production Costs						
Herbicide						
	Herbicide and Apply Sorghum Irrig.	1	Acre	\$24.77	\$24.77	\$3,022.45
Seed						
	Seed - Sorghum	0	Pound	\$2.11	\$0.00	\$0.00
Fertilizer						
	Fertilizer (N) - ANH3	65	Pound	\$0.29	\$18.66	\$2,275.91
	Fertilizer (P) - Liquid	50	Pound	\$0.48	\$23.88	\$2,913.31
	Fertilizer (N) - Liquid	60	Pound	\$0.48	\$28.91	\$3,526.41
Custom						
	Fertilizer Application - ANH3	1	Acre	\$16.05	\$16.05	\$1,958.27
	Harvest and Haul - Sorghum	45	CWT	\$0.91	\$40.91	\$4,991.30
Miscellaneous						
	Crop Insurance Sorghum - Irrigated	1	Acre	\$33.00	\$33.00	\$4,026.00
Insecticide						
	Insecticide Head Worm	0.67	Application	\$10.58	\$7.09	\$864.95
	Insecticide Sugar Cane Aphid	1	Application	\$22.68	\$22.68	\$2,766.91
Irrigation						
	Energy Cost	16.00	AcreInch	\$3.96	\$63.36	\$7,729.92
	Irrigation Labor	1.02	Hour	\$13.65	\$13.98	\$1,705.27
Machinery Labor						
	Tractors/Self-Propelled	0.33	Hour	\$13.43	\$4.43	\$540.69
	Other Labor	0.37	Hour	\$13.43	\$4.97	\$606.23
Diesel Fuel						
	Tractors/Self-Propelled	1.92	Gallon	\$2.33	\$4.47	\$545.78
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$4.82	\$4.82	\$587.50
Repairs & Maintenance						
	Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00
	Irrigation Equipment	1	Acre	\$60.00	\$60.00	\$7,320.00
	Tractors/Self-Propelled	1	Acre	\$3.65	\$3.65	\$445.00
	Implements	1	Acre	\$13.96	\$13.96	\$1,703.07
	Interest on Credit Line			6.25%	\$8.62	\$1,051.05
Total Variable Costs					\$400.71	\$48,886.02
Planned Returns Above Variable Costs:					\$527.42	\$64,345.23
Breakeven Price to Cover Variable Costs				\$8.90	CWT	
FIXED COSTS						
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	\$3.56	\$3.56	\$434.70
	Implements	1	Acre	\$17.52	\$17.52	\$2,137.07
Equipment Investment						
	Pickup/General Use Equipment	\$18.18	Dollars	6.25%	\$1.14	\$138.66
	Irrigation Equipment	\$521.00	Dollars	6.25%	\$32.56	\$3,972.66
	Tractors/Self-Propelled	\$27.76	Dollars	6.25%	\$1.73	\$211.65
	Implements	\$74.93	Dollars	6.25%	\$4.68	\$571.37
	Cash Rent - Sorghum f	1	Acre	\$76.00	\$76.00	\$9,272.00
Total Fixed Costs					\$180.25	\$21,990.66
Total Specified Costs					\$580.96	\$70,876.68
Returns Above Specified Costs					\$347.17	\$42,354.57
Breakeven Price to Cover Total Costs				\$12.91	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	33.75	\$11.87	\$17.21
90%	40.50	\$9.89	\$14.34
100%	45.00	\$8.90	\$12.91
110%	49.50	\$8.10	\$11.74
125%	56.25	\$7.12	\$10.33

Developed by Justin Benavidez, Assistant Professor, Texas A&M AgrLife 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.