

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 Estimated Costs and Returns per Acre
Seed Sorghum, Sprinkler Irrigated (NG)
Panhandle Extension District - 1

Crop Acres		122				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Seed Sorghum - Female Only		45.00	CWT	\$20.38	\$917.10	\$111,886.20
Total Revenue					\$917.10	\$111,886.20
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Herbicide						
	Herbicide and Apply Sorghum Irrig.	1	Acre	\$23.64	\$23.64	\$2,884.08
Seed						
	Seed - Sorghum	0	Pound	\$2.16	\$0.00	\$0.00
Fertilizer						
	Fertilizer (N) - ANH3	65	Pound	\$0.28	\$18.20	\$2,220.40
	Fertilizer (P) - Liquid	50	Pound	\$0.54	\$27.00	\$3,294.00
	Fertilizer (N) - Liquid	60	Pound	\$0.47	\$28.20	\$3,440.40
Custom						
	Fertilizer Application - ANH3	1	Acre	\$15.36	\$15.36	\$1,873.92
	Harvest and Haul - Sorghum	45	CWT	\$0.87	\$39.15	\$4,776.30
Miscellaneous						
	Crop Insurance Sorghum - Irrigated	1	Acre	\$33.00	\$33.00	\$4,026.00
Insecticide						
	Insecticide Head Worm	0.67	Application	\$10.12	\$6.78	\$827.21
	Insecticide Sugar Cane Aphid	1	Application	\$21.69	\$21.69	\$2,646.18
Irrigation						
	Energy Cost	16.00	AcreInch	\$3.40	\$54.40	\$6,636.80
	Irrigation Labor	1.02	Hour	\$13.24	\$13.56	\$1,654.05
Machinery Labor						
	Tractors/Self-Propelled	0.33	Hour	\$13.03	\$4.30	\$524.59
	Other Labor	0.37	Hour	\$13.03	\$4.82	\$588.17
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	\$3.62	\$3.62	\$441.26
	Implements	1	Acre	\$11.56	\$11.56	\$1,410.86
	Interest on Credit Line			6.04%	\$8.09	\$986.42
Total Variable Costs					\$385.16	\$46,989.93
Planned Returns Above Variable Costs:					\$531.94	\$64,896.27
Breakeven Price to Cover Variable Costs				\$8.56	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	\$3.52	\$3.52	\$428.87
	Implements	1	Acre	\$14.44	\$14.44	\$1,762.15
Equipment Investment						
	Pickup/General Use Equipment	\$18.18	Dollars	6.32%	\$1.15	\$140.21
	Irrigation Equipment	\$521.00	Dollars	6.32%	\$32.93	\$4,017.15
	Tractors/Self-Propelled	\$27.39	Dollars	6.32%	\$1.73	\$211.15
	Implements	\$61.79	Dollars	6.32%	\$3.90	\$476.41
	Cash Rent - Sorghum f	1	Acre	\$72.00	\$72.00	\$8,784.00
Total Fixed Costs					\$172.73	\$21,072.49
Total Specified Costs					\$557.89	\$68,062.42
Returns Above Specified Costs					\$359.21	\$43,823.78
Breakeven Price to Cover Total Costs				\$12.40	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	33.75	\$11.41	\$16.53
90%	40.50	\$9.51	\$13.78
100%	45.00	\$8.56	\$12.40
110%	49.50	\$7.78	\$11.27
125%	56.25	\$6.85	\$9.92

Developed by DeDe Jones, Extension Risk Management Specialist III, 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.