

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

Crop Acres		122				Enterprise
REVENUE		Quantity	Units	\$/Unit	Total	Total
Grazing - Sorghum		800.00	Pound	\$0.45	\$360.00	\$43,920.00
Total Revenue					\$360.00	\$43,920.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Fertilizer						
Fertilizer (N) - ANH3		150	Pound	\$0.28	\$42.00	\$5,124.00
Fertilizer (P) - Liquid		50	Pound	\$0.54	\$27.00	\$3,294.00
Custom						
Fertilizer Application - ANH3		1	Acre	\$15.36	\$15.36	\$1,873.92
Miscellaneous						
Crop Insurance Sorghum Sudan Irrigated		1	Acre	\$25.00	\$25.00	\$3,050.00
Herbicide						
Herbicide and Apply Sorghum Sudan		1	Acre	\$12.57	\$12.57	\$1,533.54
Seed						
Seed - Sorghum Sudangrass		22	Pound	\$0.92	\$20.24	\$2,469.28
Irrigation						
Energy Cost		9.00	AcreInch	\$3.40	\$30.60	\$3,733.20
Irrigation Labor		0.58	Hour	\$13.24	\$7.63	\$930.40
Machinery Labor						
Tractors/Self-Propelled		0.41	Hour	\$13.03	\$5.34	\$651.76
Other Labor		0.45	Hour	\$13.03	\$5.86	\$715.35
Diesel Fuel						
Tractors/Self-Propelled		2.12	Gallon	\$2.33	\$4.94	\$602.63
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	\$33.75	\$33.75	\$4,117.50
Tractors/Self-Propelled		1	Acre	\$3.67	\$3.67	\$447.35
Implements		1	Acre	\$12.88	\$12.88	\$1,571.00
Interest on Credit Line				6.04%	\$6.15	\$750.39
Total Variable Costs					\$260.31	\$31,757.82
Planned Returns Above Variable Costs:					\$99.69	\$12,162.18
Breakeven Price to Cover Variable Costs				\$0.33	Pound	
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	\$30.74	\$30.74	\$3,750.00
Tractors/Self-Propelled		1	Acre	\$3.64	\$3.64	\$443.99
Implements		1	Acre	\$16.28	\$16.28	\$1,986.02
Equipment Investment						
Pickup/General Use Equipment		\$18.18	Dollars	6.32%	\$1.15	\$140.21
Irrigation Equipment		\$450.00	Dollars	6.32%	\$28.44	\$3,469.68
Tractors/Self-Propelled		\$28.35	Dollars	6.32%	\$1.79	\$218.60
Implements		\$69.64	Dollars	6.32%	\$4.40	\$536.93
Cash Rent - Sorghum f		1	Acre	\$72.00	\$72.00	\$8,784.00
Total Fixed Costs					\$161.07	\$19,650.73
Total Specified Costs					\$421.38	\$51,408.55
Returns Above Specified Costs					(\$61.38)	(\$7,488.55)
Breakeven Price to Cover Total Costs				\$0.53	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	600.00	\$0.43	\$0.70
90%	720.00	\$0.36	\$0.59
100%	800.00	\$0.33	\$0.53
110%	880.00	\$0.30	\$0.48
125%	1000.00	\$0.26	\$0.42

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.