

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2018 Estimated Costs and Returns per Acre**  
**Seed Sorghum, Sprinkler Irrigated (NG)**  
**Panhandle Extension District - 1**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Seed Sorghum - Female Only	45.00	CWT	\$18.70	\$841.50	\$102,663.00	
<b>Total Revenue</b>				<b>\$841.50</b>	<b>\$102,663.00</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Herbicide						
Herbicide and Apply Sorghum Irrig.	1	Acre	\$23.14	\$23.14	\$2,823.08	
Seed						
Seed - Sorghum	0	Pound	\$2.20	\$0.00	\$0.00	
Fertilizer						
Fertilizer (N) - ANH3	65	Pound	\$0.24	\$15.60	\$1,903.20	
Fertilizer (P) - Liquid	50	Pound	\$0.47	\$23.50	\$2,867.00	
Fertilizer (N) - Liquid	60	Pound	\$0.40	\$24.00	\$2,928.00	
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	\$9.93	\$6.65	\$811.68	
Insecticide Sugar Cane Aphid	1	Application	\$21.27	\$21.27	\$2,594.94	
Irrigation						
Energy Cost	16.00	AcreInch	\$3.50	\$56.00	\$6,832.00	
Irrigation Labor	1.02	Hour	\$12.64	\$12.94	\$1,579.09	
Machinery Labor						
Tractors/Self-Propelled	0.33	Hour	\$12.44	\$4.11	\$500.83	
Other Labor	0.37	Hour	\$12.44	\$4.60	\$561.54	
Diesel Fuel						
Tractors/Self-Propelled	1.91	Gallon	\$1.99	\$3.80	\$463.71	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.30	\$4.30	\$525.00	
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	\$3.60	\$3.60	\$438.76	
Implements	1	Acre	\$11.53	\$11.53	\$1,407.13	
Interest on Credit Line			5.74%	\$7.46	\$910.64	
<b>Total Variable Costs</b>				<b>\$377.17</b>	<b>\$46,014.90</b>	
<b>Planned Returns Above Variable Costs:</b>				<b>\$464.33</b>	<b>\$56,648.10</b>	
Breakeven Price to Cover Variable Costs			\$8.38	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
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	\$3.50	\$3.50	\$427.47	
Implements	1	Acre	\$14.42	\$14.42	\$1,759.04	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	6.01%	\$1.09	\$133.33	
Irrigation Equipment	\$521.00	Dollars	6.01%	\$31.31	\$3,820.11	
Tractors/Self-Propelled	\$27.30	Dollars	6.01%	\$1.64	\$200.14	
Implements	\$61.68	Dollars	6.01%	\$3.71	\$452.24	
Cash Rent - Sorghum f	1	Acre	\$72.00	\$72.00	\$8,784.00	
<b>Total Fixed Costs</b>				<b>\$170.73</b>	<b>\$20,828.88</b>	
<b>Total Specified Costs</b>				<b>\$547.90</b>	<b>\$66,843.78</b>	
<b>Returns Above Specified Costs</b>				<b>\$293.60</b>	<b>\$35,819.22</b>	
<b>Breakeven Price to Cover Total Costs</b>			<b>\$12.18</b>	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	33.75	\$11.18	\$16.23
90%	40.50	\$9.31	\$13.53
100%	45.00	\$8.38	\$12.18
110%	49.50	\$7.62	\$11.07
125%	56.25	\$6.71	\$9.74

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.**