

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2017 Estimated Costs and Returns per Acre**  
**Sorghum-Sudangrass for Hay, Center Pivot Irrigated, 5 Ton Yield - 122 Acres**  
**Far West Extension District - 6**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Sorghum Hay	5.00	Ton	\$160.00	\$800.00	\$97,600.00	
Total Revenue				\$800.00	\$97,600.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Production Costs						
Seed						
Haygrazer Seed	15	Pound	\$0.52	\$7.80	\$951.60	
Fertilizer						
Urea, Solid (46% N)	0.89	CWT	\$19.75	\$17.58	\$2,144.46	
Irrigation						
Energy Cost	3.42	Mcf	\$4.00	\$13.68	\$1,668.96	
Irrigation Labor	0.02	Hour	\$12.00	\$0.24	\$28.99	
Machinery Labor						
Tractors/Self-Propelled	3.17	Hour	\$12.00	\$38.04	\$4,640.88	
Diesel Fuel						
Tractors/Self-Propelled	12.97	Gallon	\$1.83	\$23.74	\$2,895.68	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$6.72	\$6.72	\$820.12	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$1.61	\$1.61	\$196.20	
Irrigation Equipment	1	Acre	\$9.05	\$9.05	\$1,104.14	
Tractors/Self-Propelled	1	Acre	\$20.68	\$20.68	\$2,523.47	
Implements	1	Acre	\$11.69	\$11.69	\$1,425.94	
Interest on Credit Line			6.50%	\$2.58	\$314.44	
Total Variable Costs				\$153.40	\$18,714.87	
Planned Returns Above Variable Costs:				\$646.60	\$78,885.13	
Breakeven Price to Cover Variable Costs			\$30.68	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$6.03	\$6.03	\$735.75	
Irrigation Equipment	1	Acre	\$24.32	\$24.32	\$2,966.87	
Tractors/Self-Propelled	1	Acre	\$24.12	\$24.12	\$2,942.96	
Implements	1	Acre	\$15.61	\$15.61	\$1,903.92	
Equipment Investment						
Pickup/General Use Equipment	\$25.13	Dollars	6.50%	\$1.63	\$199.27	
Irrigation Equipment	\$182.39	Dollars	6.50%	\$11.86	\$1,446.35	
Tractors/Self-Propelled	\$181.53	Dollars	6.50%	\$11.80	\$1,439.52	
Implements	\$73.58	Dollars	6.50%	\$4.78	\$583.50	
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00	
Total Fixed Costs				\$140.15	\$17,098.13	
Total Specified Costs				\$293.55	\$35,813.00	
Returns Above Specified Costs				\$506.45	\$61,787.00	
Breakeven Price to Cover Total Costs			\$58.71	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	3.75	\$40.91	\$78.28
90%	4.50	\$34.09	\$65.23
100%	5.00	\$30.68	\$58.71
110%	5.50	\$27.89	\$53.37
125%	6.25	\$24.54	\$46.97

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**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.**