

**Projections for Planning Purposes Only – *Not to be Used without Updating***  
**2024 Estimated Costs and Returns per Acre**  
**Sorghum-Sudangrass for Hay, Center Pivot Irrigated, 5 Ton Yield**  
**Far West Extension District - 6**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Sorghum Hay	5.00	Ton	\$214.50	\$1,072.50	\$130,845.00	
<b>Total Revenue</b>				<b>\$1,072.50</b>	<b>\$130,845.00</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
<b>Production Costs</b>						
Fertilizer						
Urea, Solid (46% N)	0.89	CWT	\$31.15	\$27.72	\$3,382.27	
Seed						
Haygrazer Seed	15	Pound	\$1.79	\$26.85	\$3,275.70	
Irrigation						
Energy Cost	3.42	AcreInch	\$4.70	\$16.07	\$1,961.03	
Irrigation Labor	0.02	Hour	\$17.50	\$0.35	\$42.27	
Machinery Labor						
Tractors/Self-Propelled	3.17	Hour	\$17.21	\$54.56	\$6,655.80	
Diesel Fuel						
Tractors/Self-Propelled	13.85	Gallon	\$3.60	\$49.86	\$6,082.92	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$10.13	\$10.13	\$1,236.06	
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	\$22.53	\$22.53	\$2,748.85	
Implements	1	Acre	\$13.65	\$13.65	\$1,665.40	
Interest on Credit Line			8.00%	\$5.25	\$640.11	
<b>Total Variable Costs</b>				<b>\$237.63</b>	<b>\$28,990.75</b>	
Planned Returns Above Variable Costs:				\$834.87	\$101,854.25	
Breakeven Price to Cover Variable Costs			\$47.53	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
<b>Machinery Depreciation</b>						
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	\$27.27	\$27.27	\$3,327.28	
Implements	1	Acre	\$18.21	\$18.21	\$2,221.46	
<b>Equipment Investment</b>						
Pickup/General Use Equipment	\$25.13	Dollars	8.00%	\$2.01	\$245.25	
Irrigation Equipment	\$182.39	Dollars	8.00%	\$14.59	\$1,780.12	
Tractors/Self-Propelled	\$203.20	Dollars	8.00%	\$16.26	\$1,983.21	
Implements	\$85.84	Dollars	8.00%	\$6.87	\$837.79	
Trans Pecos Irrigated Land	1	Acre	\$50.00	\$50.00	\$6,100.00	
<b>Total Fixed Costs</b>				<b>\$165.56</b>	<b>\$20,197.73</b>	
<b>Total Specified Costs</b>				<b>\$403.18</b>	<b>\$49,188.48</b>	
Returns Above Specified Costs				\$669.32	\$81,656.52	
<b>Breakeven Price to Cover Total Costs</b>			<b>\$80.64</b>	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	3.75	\$63.37	\$107.52
90%	4.50	\$52.81	\$89.60
100%	5.00	\$47.53	\$80.64
110%	5.50	\$43.21	\$73.31
125%	6.25	\$38.02	\$64.51

Developed by Extension Economists, Texas A&M AgriLife Extension Service, budgets@tamu.edu.

**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.**