

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2021 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	\$145.00	\$725.00	\$88,450.00	
Total Revenue				\$725.00	\$88,450.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
Fertilizer						
Urea, Solid (46% N)	0.89	CWT	\$22.25	\$19.80	\$2,415.91	
Seed						
Haygrazer Seed	15	Pound	\$1.79	\$26.85	\$3,275.70	
Irrigation						
Energy Cost	3.42	AcreInch	\$5.61	\$19.19	\$2,340.72	
Irrigation Labor	0.02	Hour	\$15.00	\$0.30	\$36.23	
Machinery Labor						
Tractors/Self-Propelled	3.17	Hour	\$15.00	\$47.55	\$5,801.10	
Diesel Fuel						
Tractors/Self-Propelled	13.85	Gallon	\$1.50	\$20.78	\$2,534.55	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.79	\$5.79	\$706.32	
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			4.55%	\$2.52	\$307.77	
Total Variable Costs				\$189.61	\$23,132.89	
Planned Returns Above Variable Costs:				\$535.39	\$65,317.11	
Breakeven Price to Cover Variable Costs			\$37.92	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
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	\$27.27	\$27.27	\$3,327.28	
Implements	1	Acre	\$18.21	\$18.21	\$2,221.46	
Equipment Investment						
Pickup/General Use Equipment	\$25.13	Dollars	5.50%	\$1.38	\$168.61	
Irrigation Equipment	\$182.39	Dollars	5.50%	\$10.03	\$1,223.84	
Tractors/Self-Propelled	\$203.20	Dollars	5.50%	\$11.18	\$1,363.45	
Implements	\$85.84	Dollars	5.50%	\$4.72	\$575.98	
Trans Pecos Irrigated Land	1	Acre	\$50.00	\$50.00	\$6,100.00	
Total Fixed Costs				\$153.14	\$18,683.24	
Total Specified Costs				\$342.76	\$41,816.13	
Returns Above Specified Costs				\$382.24	\$46,633.87	
Breakeven Price to Cover Total Costs			\$68.55	Ton		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	3.75	\$50.56	\$91.40
90%	4.50	\$42.14	\$76.17
100%	5.00	\$37.92	\$68.55
110%	5.50	\$34.48	\$62.32
125%	6.25	\$30.34	\$54.84

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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.