

Projections for Planning Purposes Only -- Not to be Used without Updating
2023 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	
Total Revenue				\$1,072.50	\$130,845.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Production Costs						
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	\$2.24	\$31.02	\$3,784.93	
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	\$22.53	\$22.53	\$2,748.85	
Implements	1	Acre	\$13.65	\$13.65	\$1,665.40	
Interest on Credit Line			8.00%	\$4.89	\$596.95	
Total Variable Costs				\$215.03	\$26,233.65	
Planned Returns Above Variable Costs:				\$857.47	\$104,611.35	
Breakeven Price to Cover Variable Costs			\$43.01	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	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	
Total Fixed Costs				\$165.56	\$20,197.73	
Total Specified Costs				\$380.59	\$46,431.38	
Returns Above Specified Costs				\$691.91	\$84,413.62	
Breakeven Price to Cover Total Costs			\$76.12	Ton		

Example Breakeven Prices

Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	3.75	\$57.34	\$101.49
90%	4.50	\$47.78	\$84.57
100%	5.00	\$43.01	\$76.12
110%	5.50	\$39.10	\$69.20
125%	6.25	\$34.40	\$60.89

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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.