

**2021 Estimated Costs and Returns per Acre
Alfalfa Establishment, Sprinkler Irrigated (NG), Fall Seeding Only
Panhandle Extension District - 1**

Crop Acres	122					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Total Revenue				\$0.00	\$0.00	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Production Costs						
Custom						
Fertilizer Application	1	Acre	\$5.35	\$5.35	\$652.76	
Fertilizer						
Fertilizer (P) - Dry	80	Pound	\$0.45	\$36.00	\$4,392.00	
Herbicide						
Herbicide and Application Alfalfa	1	Acre	\$23.95	\$23.95	\$2,921.45	
Seed						
Seed - Alfalfa	18	Pound	\$5.80	\$104.31	\$12,726.21	
Irrigation						
Energy Cost	6.00	AcreInch	\$3.35	\$20.10	\$2,452.20	
Irrigation Labor	0.38	Hour	\$13.65	\$5.24	\$639.48	
Machinery Labor						
Tractors/Self-Propelled	0.64	Hour	\$13.43	\$8.60	\$1,048.61	
Other Labor	0.73	Hour	\$13.43	\$9.80	\$1,196.08	
Diesel Fuel						
Tractors/Self-Propelled	2.96	Gallon	\$2.19	\$6.48	\$790.93	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.20	\$5.20	\$634.50	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00	
Irrigation Equipment	1	Acre	\$22.50	\$22.50	\$2,745.00	
Tractors/Self-Propelled	1	Acre	\$4.81	\$4.81	\$586.67	
Implements	1	Acre	\$12.36	\$12.36	\$1,507.80	
Interest on Credit Line			6.25%	\$5.95	\$725.56	
Total Variable Costs				\$273.16	\$33,325.23	
Planned Returns Above Variable Costs:				(\$273.16)	(\$33,325.23)	
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30	
Irrigation Equipment	1	Acre	\$11.83	\$11.83	\$1,443.75	
Tractors/Self-Propelled	1	Acre	\$4.69	\$4.69	\$571.80	
Implements	1	Acre	\$14.83	\$14.83	\$1,808.77	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	6.25%	\$1.14	\$138.66	
Irrigation Equipment	\$142.93	Dollars	6.25%	\$8.93	\$1,089.84	
Tractors/Self-Propelled	\$36.51	Dollars	6.25%	\$2.28	\$278.40	
Implements	\$63.42	Dollars	6.25%	\$3.96	\$483.59	
Cash Rent - Alfalfa	1	Acre	\$100.00	\$100.00	\$12,200.00	
Total Fixed Costs				\$150.30	\$18,336.11	
Total Specified Costs				\$423.45	\$51,661.34	
Returns Above Specified Costs				(\$423.45)	(\$51,661.34)	
Breakeven Price to Cover Total Costs			n/a			

Developed by Justin Benavidez, Assistant Professor, 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.