

**2023 Estimated Costs and Returns per Acre
Irrigated Alfalfa Establishment
Rolling Plains Extension District - 3**

Crop Acres		100			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise Total
Total Revenue				\$0.00	\$0.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Fertilizer					
Fertilizer (N)	40	Pound	\$0.79	\$31.60	\$3,160.00
Fertilizer (P)	80	Pound	\$0.63	\$50.40	\$5,040.00
Potash (K)	40	Pound	\$0.70	\$28.00	\$2,800.00
Sulfur	12	Pound	\$0.32	\$3.78	\$378.00
Herbicide					
Roundup	2	Pint	\$4.37	\$8.74	\$873.50
Herbicide Application	1	Acre	\$5.50	\$5.50	\$550.00
Seed					
Alfalfa Seed - RR	20	Pound	\$8.90	\$178.00	\$17,800.00
Irrigation					
Energy Cost	6.00	AcreInch	\$6.75	\$40.50	\$4,050.00
Irrigation Labor	0.51	Hour	\$15.00	\$7.68	\$768.00
Machinery Labor					
Tractors/Self-Propelled	0.32	Hour	\$15.00	\$4.80	\$480.00
Other Labor	0.35	Hour	\$15.00	\$5.25	\$525.00
Diesel Fuel					
Tractors/Self-Propelled	2.16	Gallon	\$3.49	\$7.54	\$753.84
Gasoline					
Pickup/General Use Equipment	1	Acre	\$9.00	\$9.00	\$900.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$3.00	\$3.00	\$300.00
Irrigation Equipment	1	Acre	\$10.00	\$10.00	\$1,000.02
Tractors/Self-Propelled	1	Acre	\$4.44	\$4.44	\$443.53
Implements	1	Acre	\$4.60	\$4.60	\$460.24
Interest on Credit Line			7.50%	\$4.61	\$461.29
Total Variable Costs				<u>\$407.43</u>	<u>\$40,743.42</u>
Planned Returns Above Variable Costs:				<u>(\$407.43)</u>	<u>(\$40,743.42)</u>
Breakeven Price to Cover Variable Costs			n/a		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$4.17	\$4.17	\$416.50
Irrigation Equipment	1	Acre	\$9.00	\$9.00	\$900.00
Tractors/Self-Propelled	1	Acre	\$4.58	\$4.58	\$458.31
Implements	1	Acre	\$5.69	\$5.69	\$569.04
Equipment Investment					
Pickup/General Use Equipment	\$29.18	Dollars	6.50%	\$1.90	\$189.64
Irrigation Equipment	\$262.50	Dollars	6.50%	\$17.06	\$1,706.25
Tractors/Self-Propelled	\$35.70	Dollars	6.50%	\$2.32	\$232.08
Implements	\$24.34	Dollars	6.50%	\$1.58	\$158.22
Cash Rent - Irrigated Alfalfa	1	Acre	\$90.00	\$90.00	\$9,000.00
Total Fixed Costs				<u>\$136.30</u>	<u>\$13,630.04</u>
Total Specified Costs				<u>\$543.73</u>	<u>\$54,373.46</u>
Returns Above Specified Costs				<u>(\$543.73)</u>	<u>(\$54,373.46)</u>
Breakeven Price to Cover Total Costs			n/a		

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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.