

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2021 Estimated Costs and Returns per Acre
Alfalfa, Roundup Ready, Establishment, Center Pivot Irrigated
West Central Extension District - 7

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						
Soil Test-Irrigated	1	Each	\$0.50	\$0.50	\$61.00	
Apply Dry Fertilizer	1	Acre	\$6.00	\$6.00	\$732.00	
Fertilizer						
Phos (11-52-0 DRY MAT)	150	Pounds	\$0.45	\$67.79	\$8,269.77	
Herbicide						
Glyphosate	22	Ounce	\$0.13	\$2.92	\$356.47	
Seed						
R.R. Alfalfa	25	pounds	\$8.50	\$212.50	\$25,925.00	
Irrigation						
Energy Cost	4.00	AcreInch	\$5.98	\$23.93	\$2,919.44	
Irrigation Labor	0.30	Hour	\$15.00	\$4.50	\$549.00	
Machinery Labor						
Tractors/Self-Propelled	0.45	Hour	\$15.00	\$6.75	\$823.50	
Diesel Fuel						
Tractors/Self-Propelled	3.91	Gallon	\$1.50	\$5.87	\$715.53	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$1.62	\$1.62	\$198.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$0.74	\$0.74	\$90.30	
Irrigation Equipment	1	Acre	\$10.54	\$10.54	\$1,286.03	
Tractors/Self-Propelled	1	Acre	\$10.54	\$10.54	\$1,285.99	
Implements	1	Acre	\$12.91	\$12.91	\$1,574.41	
Interest on Credit Line			4.55%	\$3.33	\$405.95	
Total Variable Costs				<u>\$370.43</u>	<u>\$45,192.38</u>	
Planned Returns Above Variable Costs:				<u>(\$370.43)</u>	<u>(\$45,192.38)</u>	
Breakeven Price to Cover Variable Costs			n/a			
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$1.55	\$1.55	\$189.00	
Irrigation Equipment	1	Acre	\$15.03	\$15.03	\$1,833.33	
Tractors/Self-Propelled	1	Acre	\$11.98	\$11.98	\$1,461.31	
Implements	1	Acre	\$16.36	\$16.36	\$1,996.32	
Equipment Investment						
Pickup/General Use Equipment	\$9.47	Dollars	5.50%	\$0.52	\$63.53	
Irrigation Equipment	\$112.70	Dollars	5.50%	\$6.20	\$756.25	
Tractors/Self-Propelled	\$92.81	Dollars	5.50%	\$5.10	\$622.74	
Implements	\$70.00	Dollars	5.50%	\$3.85	\$469.69	
Rent-Irrigated Crop	1	Acre	\$70.00	\$70.00	\$8,540.00	
Total Fixed Costs				<u>\$130.59</u>	<u>\$15,932.16</u>	
Total Specified Costs				<u>\$501.02</u>	<u>\$61,124.54</u>	
Returns Above Specified Costs				<u>(\$501.02)</u>	<u>(\$61,124.54)</u>	
Breakeven Price to Cover Total Costs			n/a			

Example Breakeven Prices			
Example Yield Percent	Example Yield	To Cover Variable Costs	To Cover Total Costs
75%	0.00	\$0.00	\$0.00
90%	0.00	\$0.00	\$0.00
100%	0.00	\$0.00	\$0.00
110%	0.00	\$0.00	\$0.00
125%	0.00	\$0.00	\$0.00

Developed by Bill Thompson, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service, 325-653-4576.

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.