

**2021 Estimated Costs and Returns per Acre  
Irrigated Alfalfa  
South Plains Extension District - 2**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Hay - Alfalfa	6.00	Ton	\$240.00	\$1,440.00	\$175,680.00	
<b>Total Revenue</b>				<b>\$1,440.00</b>	<b>\$175,680.00</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
<b>Production Costs</b>						
Custom						
Custom Baling	6	Ton	\$50.00	\$300.00	\$36,600.00	
Fertilizer Application - Liquid Low	1	Acre	\$3.50	\$3.50	\$427.00	
Crop Consultant	1	Acre	\$6.00	\$6.00	\$732.00	
Fertilizer						
Fertilizer (P) - Liquid	65	Pound	\$0.64	\$41.60	\$5,075.20	
Fertilizer (N) - Liquid	30	Pound	\$0.38	\$11.40	\$1,390.80	
Sulfur	12	Pound	\$0.12	\$1.44	\$175.68	
Herbicide						
Herbicide and Application Alfalfa	1	Acre	\$22.00	\$22.00	\$2,684.00	
Insecticide						
Insecticide Application Alfalfa	1	Acre	\$25.90	\$25.90	\$3,159.80	
Miscellaneous						
Crop Insurance Alfalfa	1	Acre	\$2.50	\$2.50	\$305.00	
Irrigation						
Energy Cost	24.00	AcreInch	\$10.00	\$240.00	\$29,280.00	
Irrigation Labor	1.25	Hour	\$12.00	\$15.00	\$1,830.00	
Machinery Labor						
Tractors/Self-Propelled	1	Hour	\$12.00	\$12.00	\$1,464.00	
Diesel Fuel						
Tractors/Self-Propelled	2.01	Gallon	\$1.90	\$3.82	\$465.92	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.51	\$4.51	\$550.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$0.50	\$0.50	\$61.00	
Irrigation Equipment	1	Acre	\$42.00	\$42.00	\$5,124.00	
Tractors/Self-Propelled	1	Acre	\$6.00	\$6.00	\$732.00	
Implements	1	Acre	\$3.00	\$3.00	\$366.00	
Interest on Credit Line			6.00%	\$12.87	\$1,569.90	
<b>Total Variable Costs</b>				<b>\$754.04</b>	<b>\$91,992.30</b>	
Planned Returns Above Variable Costs:				\$685.96	\$83,687.70	
Breakeven Price to Cover Variable Costs			\$125.67	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Equipment Fixed Costs						
Pickup/General Use Equipment	1	Acre	\$1.25	\$1.25	\$152.50	
Irrigation Equipment	1	Acre	\$55.00	\$55.00	\$6,710.00	
Tractors/Self-Propelled	1	Acre	\$12.00	\$12.00	\$1,464.00	
Implements	1	Acre	\$10.00	\$10.00	\$1,220.00	
Management Fee, Owner/Operator Labor	1	Acre	\$25.00	\$25.00	\$3,050.00	
Allocated Establishment Cost	1	Acre	\$100.00	\$100.00	\$12,200.00	
Cash Rent - Alfalfa	1	Acre	\$130.00	\$130.00	\$15,860.00	
Whole Farm Insurance	1	Acre	\$2.00	\$2.00	\$244.00	
<b>Total Fixed Costs</b>				<b>\$335.25</b>	<b>\$40,900.50</b>	
<b>Total Specified Costs</b>				<b>\$1,089.29</b>	<b>\$132,892.80</b>	
Returns Above Specified Costs				\$350.71	\$42,787.20	
Breakeven Price to Cover Total Costs			\$181.55	Ton		

Developed by Agricultural Economists, Texas A&M AgriLife Extension. 806-746-6101

**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.**