

**2023 Estimated Costs and Returns per Acre  
Irrigated Alfalfa  
South Plains Extension District - 2**

Crop Acres		122				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Hay - Alfalfa		6.00	Ton	\$240.00	\$1,440.00	\$175,680.00
Total Revenue					\$1,440.00	\$175,680.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
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	\$1.16	\$75.40	\$9,198.80
Fertilizer (N) - Liquid		30	Pound	\$1.06	\$31.80	\$3,879.60
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	\$2.75	\$5.53	\$674.36
Gasoline						
Pickup/General Use Equipment		1	Acre	\$5.12	\$5.12	\$625.00
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				8.00%	\$19.64	\$2,396.61
Total Variable Costs					\$817.33	\$99,714.85
Planned Returns Above Variable Costs:					\$622.67	\$75,965.15
Breakeven Price to Cover Variable Costs				\$136.22	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
Total Fixed Costs					\$335.25	\$40,900.50
Total Specified Costs					\$1,152.58	\$140,615.35
Returns Above Specified Costs					\$287.42	\$35,064.65
Breakeven Price to Cover Total Costs				\$192.10	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.*