

Projections for Planning Purposes Only -- Not to be Used without Updating
2022 Estimated Costs and Returns per Acre
Alfalfa, Full Season, Baled - 7.5 Ton Goal, Flood Irrigated, Dell City
Far West Extension District - 6

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Alfalfa Hay - 3X4	7.50	Ton	\$240.00	\$1,800.00	\$219,600.00	\$219,600.00
Total Revenue				\$1,800.00	\$219,600.00	\$219,600.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Fertilizer						
Fertilizer 11-52-0	73	Pound	\$0.65	\$47.45	\$5,788.90	
Custom						
Soil Test	0.5	Each	\$5.00	\$2.50	\$305.00	
Custom Apply Fertilizer	1	Acre	\$6.00	\$6.00	\$732.00	
Herbicide						
Trifluralin	2	Pint	\$2.75	\$5.50	\$671.00	
Pursuit	5	Ounce	\$3.35	\$16.73	\$2,040.64	
Crop Oil Concentrate	5	Pint	\$2.18	\$10.88	\$1,326.75	
Insecticide						
Warrior Z	7.04	Ounce	\$1.25	\$8.80	\$1,073.60	
Intrepid	2.31	Ounce	\$2.04	\$4.71	\$574.65	
Irrigation						
Energy Cost	21.52	Mcf	\$3.91	\$84.14	\$10,265.47	
Irrigation Labor	0.30	Hour	\$16.38	\$4.89	\$597.11	
Machinery Labor						
Tractors/Self-Propelled	6.46	Hour	\$16.12	\$104.14	\$12,704.49	
Diesel Fuel						
Tractors/Self-Propelled	26.81	Gallon	\$2.67	\$71.58	\$8,733.09	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$8.04	\$8.04	\$981.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$1.61	\$1.61	\$196.20	
Irrigation Equipment	1	Acre	\$28.48	\$28.48	\$3,474.24	
Tractors/Self-Propelled	1	Acre	\$63.88	\$63.88	\$7,793.25	
Implements	1	Acre	\$1.60	\$1.60	\$195.63	
Interest on Credit Line			6.30%	\$10.86	\$1,324.79	
Total Variable Costs				\$481.79	\$58,777.82	
Planned Returns Above Variable Costs:				\$1,318.21	\$160,822.18	
Breakeven Price to Cover Variable Costs			\$64.24	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$6.03	\$6.03	\$735.75	
Irrigation Equipment	1	Acre	\$37.28	\$37.28	\$4,548.34	
Tractors/Self-Propelled	1	Acre	\$71.01	\$71.01	\$8,663.74	
Implements	1	Acre	\$4.92	\$4.92	\$600.45	
Equipment Investment						
Pickup/General Use Equipment	\$25.13	Dollars	6.30%	\$1.58	\$193.13	
Irrigation Equipment	\$279.61	Dollars	6.30%	\$17.62	\$2,149.09	
Tractors/Self-Propelled	\$547.87	Dollars	6.30%	\$34.52	\$4,210.94	
Implements	\$53.57	Dollars	6.30%	\$3.38	\$411.75	
Allocated Establishment Cost	1	Acre	\$109.50	\$109.50	\$13,359.00	
Trans Pecos Irrigated Land	1	Acre	\$50.00	\$50.00	\$6,100.00	
Total Fixed Costs				\$335.84	\$40,972.19	
Total Specified Costs				\$817.62	\$99,750.01	
Returns Above Specified Costs				\$982.38	\$119,849.99	
Breakeven Price to Cover Total Costs			\$109.02	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	5.63	\$85.65	\$145.36
90%	6.75	\$71.38	\$121.13
100%	7.50	\$64.24	\$109.02
110%	8.25	\$58.40	\$99.11
125%	9.38	\$51.39	\$87.21

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.