

Projections for Planning Purposes Only -- *Not to be Used without Updating*
2024 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
Alfalfa Hay - 3X4	7.50	Ton	\$270.00	\$2,025.00		\$247,050.00
Total Revenue				\$2,025.00		\$247,050.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total		Enterprise Total
Production Costs						
Fertilizer						
Fertilizer 11-52-0	73	Pound	\$0.63	\$45.99		\$5,610.78
Custom						
Soil Test	0.5	Each	\$5.00	\$2.50		\$305.00
Custom Apply Fertilizer	1	Acre	\$6.39	\$6.39		\$779.58
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	\$4.70	\$101.14		\$12,339.57
Irrigation Labor	0.30	Hour	\$17.50	\$5.23		\$637.94
Machinery Labor						
Tractors/Self-Propelled	7.82	Hour	\$17.21	\$134.58		\$16,419.03
Diesel Fuel						
Tractors/Self-Propelled	37.28	Gallon	\$3.60	\$134.21		\$16,373.38
Gasoline						
Pickup/General Use Equipment	1	Acre	\$10.13	\$10.13		\$1,236.06
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	\$67.63	\$67.63		\$8,250.45
Implements	1	Acre	\$3.04	\$3.04		\$370.37
Interest on Credit Line			8.00%	\$16.40		\$2,001.13
Total Variable Costs				\$603.94		\$73,680.36
Planned Returns Above Variable Costs:				\$1,421.06		\$173,369.64
Breakeven Price to Cover Variable Costs			\$80.52	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total		Enterprise Total
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	\$89.84	\$89.84		\$10,960.75
Implements	1	Acre	\$7.37	\$7.37		\$899.12
Equipment Investment						
Pickup/General Use Equipment	\$25.13	Dollars	8.00%	\$2.01		\$245.25
Irrigation Equipment	\$279.61	Dollars	8.00%	\$22.37		\$2,729.00
Tractors/Self-Propelled	\$668.40	Dollars	8.00%	\$53.47		\$6,523.62
Implements	\$53.37	Dollars	8.00%	\$4.27		\$520.85
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				\$382.14		\$46,621.67
Total Specified Costs				\$986.08		\$120,302.04
Returns Above Specified Costs				\$1,038.92		\$126,747.96
Breakeven Price to Cover Total Costs			\$131.48	Ton		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	5.63	\$107.37	\$175.30
90%	6.75	\$89.47	\$146.09
100%	7.50	\$80.52	\$131.48
110%	8.25	\$73.20	\$119.53
125%	9.38	\$64.42	\$105.18

Developed by Extension Economists, Texas A&M AgriLife Extension Service, budgets@tamu.edu.

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.