

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
Far West Extension District - 6

Crop Acres		122			
REVENUE	Quantity	Units	\$/Unit	Total	Enterprise 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					
Custom					
Soil Test	0.5	Each	\$5.00	\$2.50	\$305.00
Custom Apply Fertilizer	1	Acre	\$6.39	\$6.39	\$779.58
Fertilizer					
Fertilizer 11-52-0	73	Pound	\$0.63	\$45.99	\$5,610.78
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	40.76	Mcf	\$4.70	\$191.57	\$23,371.78
Irrigation Labor	0.91	Hour	\$17.50	\$15.84	\$1,932.18
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	\$18.98	\$18.98	\$2,315.30
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%	\$18.52	\$2,259.68
Total Variable Costs				\$697.59	\$85,106.42
Planned Returns Above Variable Costs:				\$1,327.41	\$161,943.58
Breakeven Price to Cover Variable Costs			\$93.01	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	\$24.82	\$24.82	\$3,028.33
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	\$186.17	Dollars	8.00%	\$14.89	\$1,817.00
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				\$362.21	\$44,189.67
Total Specified Costs				\$1,059.80	\$129,296.09
Returns Above Specified Costs				\$965.20	\$117,753.91
Breakeven Price to Cover Total Costs			\$141.31	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	5.63	\$124.02	\$188.41
90%	6.75	\$103.35	\$157.01
100%	7.50	\$93.01	\$141.31
110%	8.25	\$84.56	\$128.46
125%	9.38	\$74.41	\$113.05

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.