

Projections for Planning Purposes Only -- Not to be Used without Updating
2021 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				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Alfalfa Hay - 3X4		7.50	Ton	\$240.00	\$1,800.00	\$219,600.00
Total Revenue					\$1,800.00	\$219,600.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Fertilizer						
Custom	Fertilizer 11-52-0	73	Pound	\$0.45	\$32.99	\$4,024.62
Soil Test						
Custom	Soil Test	0.5	Each	\$5.00	\$2.50	\$305.00
Custom	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	\$5.61	\$120.73	\$14,728.72
	Irrigation Labor	0.30	Hour	\$15.00	\$4.48	\$546.80
Machinery Labor						
	Tractors/Self-Propelled	7.82	Hour	\$15.00	\$117.30	\$14,310.60
Diesel Fuel						
	Tractors/Self-Propelled	37.28	Gallon	\$1.50	\$55.92	\$6,822.24
Gasoline						
	Pickup/General Use Equipment	1	Acre	\$5.79	\$5.79	\$706.32
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			4.55%	\$7.96	\$970.60
Total Variable Costs					\$501.02	\$61,124.81
Planned Returns Above Variable Costs:					\$1,298.98	\$158,475.19
Breakeven Price to Cover Variable Costs				\$66.80	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	5.50%	\$1.38	\$168.61
	Irrigation Equipment	\$279.61	Dollars	5.50%	\$15.38	\$1,876.19
	Tractors/Self-Propelled	\$668.40	Dollars	5.50%	\$36.76	\$4,484.99
	Implements	\$53.37	Dollars	5.50%	\$2.94	\$358.08
	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					\$356.48	\$43,490.82
Total Specified Costs					\$857.51	\$104,615.63
Returns Above Specified Costs					\$942.49	\$114,984.37
Breakeven Price to Cover Total Costs				\$114.33	Ton	

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	5.63	\$89.07	\$152.45
90%	6.75	\$74.23	\$127.04
100%	7.50	\$66.80	\$114.33
110%	8.25	\$60.73	\$103.94
125%	9.38	\$53.44	\$91.47

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.