

**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, Center Pivot 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	\$270.00	\$2,025.00	\$247,050.00	\$247,050.00
<b>Total Revenue</b>				<b>\$2,025.00</b>	<b>\$247,050.00</b>	<b>\$247,050.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
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	
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	
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	25.71	Mcf	\$4.70	\$120.84	\$14,742.11	
Irrigation Labor	0.10	Hour	\$17.50	\$1.67	\$203.89	
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	\$43.80	\$43.80	\$5,343.23	
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%	\$17.08	\$2,084.28	
<b>Total Variable Costs</b>				<b>\$636.07</b>	<b>\$77,601.00</b>	<b>\$77,601.00</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$1,388.93</b>	<b>\$169,449.00</b>	<b>\$169,449.00</b>
Breakeven Price to Cover Variable Costs			\$84.81	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	\$57.32	\$57.32	\$6,993.62	
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	\$429.94	Dollars	8.00%	\$34.39	\$4,196.17	
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	\$117.83	\$117.83	\$14,375.57	
Trans Pecos Irrigated Land	1	Acre	\$50.00	\$50.00	\$6,100.00	
<b>Total Fixed Costs</b>				<b>\$422.55</b>	<b>\$51,550.70</b>	<b>\$51,550.70</b>
<b>Total Specified Costs</b>				<b>\$1,058.62</b>	<b>\$129,151.70</b>	<b>\$129,151.70</b>
<b>Returns Above Specified Costs</b>				<b>\$966.38</b>	<b>\$117,898.30</b>	<b>\$117,898.30</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$141.15</b>	Ton		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	5.63	\$113.08	\$188.20
90%	6.75	\$94.23	\$156.83
100%	7.50	\$84.81	\$141.15
110%	8.25	\$77.10	\$128.32
125%	9.38	\$67.85	\$112.92

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.**