

**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, Center Pivot 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
<b>Total Revenue</b>				<b>\$1,800.00</b>	<b>\$219,600.00</b>
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Production Costs</b>					
<b>Herbicide</b>					
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
<b>Custom</b>					
Soil Test	0.5	Each	\$5.00	\$2.50	\$305.00
Custom Apply Fertilizer	1	Acre	\$6.00	\$6.00	\$732.00
<b>Fertilizer</b>					
Fertilizer 11-52-0	73	Pound	\$0.45	\$32.99	\$4,024.62
<b>Insecticide</b>					
Warrior Z	7.04	Ounce	\$1.25	\$8.80	\$1,073.60
Intrepid	2.31	Ounce	\$2.04	\$4.71	\$574.65
<b>Irrigation</b>					
Energy Cost	25.71	Mcf	\$5.61	\$144.23	\$17,596.44
Irrigation Labor	0.10	Hour	\$15.00	\$1.43	\$174.77
<b>Machinery Labor</b>					
Tractors/Self-Propelled	7.82	Hour	\$15.00	\$117.30	\$14,310.60
<b>Diesel Fuel</b>					
Tractors/Self-Propelled	37.28	Gallon	\$1.50	\$55.92	\$6,822.24
<b>Gasoline</b>					
Pickup/General Use Equipment	1	Acre	\$5.79	\$5.79	\$706.32
<b>Repairs &amp; Maintenance</b>					
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			4.55%	\$8.40	\$1,024.38
<b>Total Variable Costs</b>				<b>\$537.24</b>	<b>\$65,543.25</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$1,262.76</b>	<b>\$154,056.75</b>
Breakeven Price to Cover Variable Costs			\$71.63	Ton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
<b>Machinery Depreciation</b>					
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
<b>Equipment Investment</b>					
Pickup/General Use Equipment	\$25.13	Dollars	5.50%	\$1.38	\$168.61
Irrigation Equipment	\$429.94	Dollars	5.50%	\$23.65	\$2,884.87
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	\$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>\$393.13</b>	<b>\$47,961.36</b>
<b>Total Specified Costs</b>				<b>\$930.37</b>	<b>\$113,504.61</b>
<b>Returns Above Specified Costs</b>				<b>\$869.63</b>	<b>\$106,095.39</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$124.05</b>	Ton	

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	5.63	\$95.51	\$165.40
90%	6.75	\$79.59	\$137.83
100%	7.50	\$71.63	\$124.05
110%	8.25	\$65.12	\$112.77
125%	9.38	\$57.31	\$99.24

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.**