

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2019 Estimated Costs and Returns per Acre**  
**Alfalfa, Full Season, Baled - 7.5 Ton Goal, Center Pivot Irrigated**  
**Far West Extension District - 6**

Crop Acres	122					Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Enterprise
Alfalfa Hay - 3X4	7.50	Ton	\$277.00	\$2,077.50	\$253,455.00	
<b>Total Revenue</b>				<b>\$2,077.50</b>	<b>\$253,455.00</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Production Costs</b>						
Fertilizer						
Fertilizer 11-52-0	73	Pound	\$0.29	\$20.81	\$2,538.21	
Custom						
Soil Test	0.5	Each	\$5.00	\$2.50	\$305.00	
Custom Apply Fertilizer	1	Acre	\$4.00	\$4.00	\$488.00	
Herbicide						
Trifluralin	2	Pint	\$2.81	\$5.63	\$686.25	
Pursuit	5	Ounce	\$3.35	\$16.73	\$2,040.64	
Crop Oil Concentrate	5	Pint	\$1.98	\$9.90	\$1,207.80	
Insecticide						
Warrior Z	7.04	Ounce	\$1.36	\$9.57	\$1,168.08	
Intrepid	2.31	Ounce	\$1.98	\$4.57	\$558.14	
Irrigation						
Energy Cost	50.22	Mcf	\$4.00	\$200.88	\$24,507.36	
Irrigation Labor	0.29	Hour	\$11.00	\$3.18	\$387.57	
Machinery Labor						
Tractors/Self-Propelled	7.84	Hour	\$12.00	\$94.08	\$11,477.76	
Diesel Fuel						
Tractors/Self-Propelled	35.92	Gallon	\$2.99	\$107.40	\$13,102.90	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$9.30	\$9.30	\$1,134.04	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$1.61	\$1.61	\$196.20	
Irrigation Equipment	1	Acre	\$132.34	\$132.34	\$16,146.06	
Tractors/Self-Propelled	1	Acre	\$59.81	\$59.81	\$7,296.44	
Implements	1	Acre	\$2.80	\$2.80	\$341.64	
Interest on Credit Line			6.50%	\$14.77	\$1,801.45	
<b>Total Variable Costs</b>				<b>\$699.87</b>	<b>\$85,383.53</b>	
Planned Returns Above Variable Costs:				\$1,377.63	\$168,071.47	
Breakeven Price to Cover Variable Costs			\$93.32	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery Depreciation</b>						
Pickup/General Use Equipment	1	Acre	\$6.03	\$6.03	\$735.75	
Irrigation Equipment	1	Acre	\$45.01	\$45.01	\$5,491.76	
Tractors/Self-Propelled	1	Acre	\$77.36	\$77.36	\$9,438.40	
Implements	1	Acre	\$6.81	\$6.81	\$830.26	
<b>Equipment Investment</b>						
Pickup/General Use Equipment	\$25.13	Dollars	6.50%	\$1.63	\$199.27	
Irrigation Equipment	\$337.61	Dollars	6.50%	\$21.94	\$2,677.23	
Tractors/Self-Propelled	\$580.31	Dollars	6.50%	\$37.72	\$4,601.86	
Implements	\$49.42	Dollars	6.50%	\$3.21	\$391.91	
Allocated Establishment Cost	1	Acre	\$120.04	\$120.04	\$14,644.88	
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00	
<b>Total Fixed Costs</b>				<b>\$359.76</b>	<b>\$43,891.32</b>	
<b>Total Specified Costs</b>				<b>\$1,059.63</b>	<b>\$129,274.85</b>	
Returns Above Specified Costs				\$1,017.87	\$124,180.15	
<b>Breakeven Price to Cover Total Costs</b>			\$141.28	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	5.63	\$124.42	\$188.38
90%	6.75	\$103.68	\$156.98
100%	7.50	\$93.32	\$141.28
110%	8.25	\$84.83	\$128.44
125%	9.38	\$74.65	\$113.03

Developed by Rob Hogan, Associate Professor and Extension Economist, Texas A&M AgriLife Extension, 830-278-9151.

**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.**