

**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, 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	\$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	Enterprise Total
<b>Production Costs</b>					
Custom					
Custom Apply Fertilizer	1	Acre	\$4.00	\$4.00	\$488.00
Soil Test	0.5	Each	\$5.00	\$2.50	\$305.00
Fertilizer					
Fertilizer 11-52-0	73	Pound	\$0.29	\$20.81	\$2,538.21
Herbicide					
Crop Oil Concentrate	5	Pint	\$1.98	\$9.90	\$1,207.80
Trifluralin	2	Pint	\$2.81	\$5.63	\$686.25
Pursuit	5	Ounce	\$3.35	\$16.73	\$2,040.64
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	21.52	Mcf	\$4.00	\$86.08	\$10,501.76
Irrigation Labor	0.30	Hour	\$11.00	\$3.29	\$400.99
Machinery Labor					
Tractors/Self-Propelled	7.82	Hour	\$12.00	\$93.84	\$11,448.48
Diesel Fuel					
Tractors/Self-Propelled	35.69	Gallon	\$2.99	\$106.71	\$13,019.00
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	\$28.48	\$28.48	\$3,474.24
Tractors/Self-Propelled	1	Acre	\$59.56	\$59.56	\$7,266.69
Implements	1	Acre	\$2.80	\$2.80	\$341.64
Interest on Credit Line			6.50%	\$10.30	\$1,256.50
<b>Total Variable Costs</b>				<b>\$475.67</b>	<b>\$58,031.65</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$1,601.83</b>	<b>\$195,423.35</b>
Breakeven Price to Cover Variable Costs			\$63.42	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	\$76.23	\$76.23	\$9,299.55
Implements	1	Acre	\$6.81	\$6.81	\$830.26
Equipment Investment					
Pickup/General Use Equipment	\$25.13	Dollars	6.50%	\$1.63	\$199.27
Irrigation Equipment	\$279.61	Dollars	6.50%	\$18.17	\$2,217.31
Tractors/Self-Propelled	\$571.86	Dollars	6.50%	\$37.17	\$4,534.82
Implements	\$49.42	Dollars	6.50%	\$3.21	\$391.91
Allocated Establishment Cost	1	Acre	\$104.83	\$104.83	\$12,789.26
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00
<b>Total Fixed Costs</b>				<b>\$331.36</b>	<b>\$40,426.46</b>
<b>Total Specified Costs</b>				<b>\$807.03</b>	<b>\$98,458.11</b>
<b>Returns Above Specified Costs</b>				<b>\$1,270.47</b>	<b>\$154,996.89</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$107.60</b>	Ton	

Example Breakeven Prices			
Exampk Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	5.63	\$84.56	\$143.47
90%	6.75	\$70.47	\$119.56
100%	7.50	\$63.42	\$107.60
110%	8.25	\$57.66	\$97.82
125%	9.38	\$50.74	\$86.08

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.**