

**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**  
**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>						
Custom						
Soil Test	0.5	Each	\$5.00	\$2.50	\$305.00	\$305.00
Custom Apply Fertilizer	1	Acre	\$6.39	\$6.39	\$779.58	\$779.58
Fertilizer						
Fertilizer 11-52-0	73	Pound	\$0.63	\$45.99	\$5,610.78	\$5,610.78
Herbicide						
Trifluralin	2	Pint	\$2.75	\$5.50	\$671.00	\$671.00
Pursuit	5	Ounce	\$3.35	\$16.73	\$2,040.64	\$2,040.64
Crop Oil Concentrate	5	Pint	\$2.18	\$10.88	\$1,326.75	\$1,326.75
Insecticide						
Warrior Z	7.04	Ounce	\$1.25	\$8.80	\$1,073.60	\$1,073.60
Intrepid	2.31	Ounce	\$2.04	\$4.71	\$574.65	\$574.65
Irrigation						
Energy Cost	50.22	Mcf	\$4.70	\$236.03	\$28,796.15	\$28,796.15
Irrigation Labor	0.29	Hour	\$17.50	\$5.05	\$616.59	\$616.59
Machinery Labor						
Tractors/Self-Propelled	7.84	Hour	\$17.21	\$134.93	\$16,461.02	\$16,461.02
Diesel Fuel						
Tractors/Self-Propelled	37.51	Gallon	\$3.60	\$135.04	\$16,474.39	\$16,474.39
Gasoline						
Pickup/General Use Equipment	1	Acre	\$10.13	\$10.13	\$1,236.06	\$1,236.06
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$1.61	\$1.61	\$196.20	\$196.20
Irrigation Equipment	1	Acre	\$132.34	\$132.34	\$16,146.06	\$16,146.06
Tractors/Self-Propelled	1	Acre	\$67.93	\$67.93	\$8,286.91	\$8,286.91
Implements	1	Acre	\$3.04	\$3.04	\$370.37	\$370.37
Interest on Credit Line			8.00%	\$22.39	\$2,731.10	\$2,731.10
<b>Total Variable Costs</b>				<b>\$849.97</b>	<b>\$103,696.84</b>	<b>\$103,696.84</b>
<b>Planned Returns Above Variable Costs:</b>				<b>\$1,175.03</b>	<b>\$143,353.16</b>	<b>\$143,353.16</b>
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$113.33</b>	<b>Ton</b>		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
<b>Machinery Depreciation</b>						
Pickup/General Use Equipment	1	Acre	\$6.03	\$6.03	\$735.75	\$735.75
Irrigation Equipment	1	Acre	\$45.01	\$45.01	\$5,491.76	\$5,491.76
Tractors/Self-Propelled	1	Acre	\$91.24	\$91.24	\$11,130.88	\$11,130.88
Implements	1	Acre	\$7.37	\$7.37	\$899.12	\$899.12
<b>Equipment Investment</b>						
Pickup/General Use Equipment	\$25.13	Dollars	8.00%	\$2.01	\$245.25	\$245.25
Irrigation Equipment	\$337.61	Dollars	8.00%	\$27.01	\$3,295.06	\$3,295.06
Tractors/Self-Propelled	\$678.76	Dollars	8.00%	\$54.30	\$6,624.72	\$6,624.72
Implements	\$53.37	Dollars	8.00%	\$4.27	\$520.85	\$520.85
Allocated Establishment Cost	1	Acre	\$117.83	\$117.83	\$14,375.57	\$14,375.57
Trans Pecos Irrigated Land	1	Acre	\$50.00	\$50.00	\$6,100.00	\$6,100.00
<b>Total Fixed Costs</b>				<b>\$405.07</b>	<b>\$49,418.95</b>	<b>\$49,418.95</b>
<b>Total Specified Costs</b>				<b>\$1,255.05</b>	<b>\$153,115.79</b>	<b>\$153,115.79</b>
<b>Returns Above Specified Costs</b>				<b>\$769.95</b>	<b>\$93,934.21</b>	<b>\$93,934.21</b>
<b>Breakeven Price to Cover Total Costs</b>			<b>\$167.34</b>	<b>Ton</b>		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	5.63	\$151.11	\$223.12
90%	6.75	\$125.92	\$185.93
100%	7.50	\$113.33	\$167.34
110%	8.25	\$103.03	\$152.13
125%	9.38	\$90.66	\$133.87

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.**