

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, Dell City
Far West Extension District - 6

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Alfalfa Hay - 3X4	7.50	Ton	\$277.00	\$2,077.50	\$253,455.00	
Total Revenue				\$2,077.50	\$253,455.00	Enterprise
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Total
Production Costs						
Custom						
Soil Test	0.5	Each	\$5.00	\$2.50	\$305.00	
Custom Apply Fertilizer	1	Acre	\$4.00	\$4.00	\$488.00	
Fertilizer						
Fertilizer 11-52-0	73	Pound	\$0.29	\$20.81	\$2,538.21	
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	25.71	Mcf	\$4.00	\$102.84	\$12,546.48	
Irrigation Labor	0.10	Hour	\$11.00	\$1.05	\$128.16	
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	\$43.80	\$43.80	\$5,343.23	
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%	\$10.83	\$1,321.13	
Total Variable Costs				\$506.04	\$61,737.16	
Planned Returns Above Variable Costs:				\$1,571.46	\$191,717.84	
Breakeven Price to Cover Variable Costs			\$67.47	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Total
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	\$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	\$429.94	Dollars	6.50%	\$27.95	\$3,409.39	
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	\$120.04	\$120.04	\$14,644.88	
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00	
Total Fixed Costs				\$376.39	\$45,919.44	
Total Specified Costs				\$882.43	\$107,656.60	
Returns Above Specified Costs				\$1,195.07	\$145,798.40	
Breakeven Price to Cover Total Costs			\$117.66	Ton		

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	5.63	\$89.96	\$156.88
90%	6.75	\$74.97	\$130.73
100%	7.50	\$67.47	\$117.66
110%	8.25	\$61.34	\$106.96
125%	9.38	\$53.98	\$94.13

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.