

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2018 Estimated Costs and Returns per Acre**  
**Alfalfa, RoundUp Ready, Full Season, Baled - 6.5 ton, Center Pivot Irrigated**  
**West Central Extension District - 7**

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	
Alfalfa Hay - Baled 3X4	6.50	Ton	\$180.00	\$1,170.00	\$142,740.00	
<b>Total Revenue</b>				<b>\$1,170.00</b>	<b>\$142,740.00</b>	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
<b>Production Costs</b>						
Custom						
Soil Test-Irrigated	1	Each	\$0.50	\$0.50	\$61.00	
Apply Dry Fertilizer	1	Acre	\$5.50	\$5.50	\$671.00	
Swath, Rake and Bale	9.24	Bale	\$27.57	\$254.75	\$31,079.11	
Fertilizer						
Phos (11-52-0 DRY MAT)	73	Pounds	\$0.44	\$32.27	\$3,936.45	
Herbicide						
Trifluralin	2	Pint	\$2.94	\$5.88	\$716.75	
Glyphosate	110	Ounce	\$0.13	\$14.30	\$1,744.60	
Insecticide						
Mustang Max(Warrior Z)	7.04	Ounce	\$1.25	\$8.80	\$1,073.60	
Intrepid	2.3	Ounce	\$1.98	\$4.56	\$555.72	
Irrigation						
Energy Cost	36.00	AcreInch	\$8.57	\$308.69	\$37,660.73	
Irrigation Labor	0.80	Hour	\$12.00	\$9.60	\$1,171.20	
Machinery Labor						
Tractors/Self-Propelled	2.95	Hour	\$12.00	\$35.40	\$4,318.80	
Diesel Fuel						
Tractors/Self-Propelled	22.93	Gallon	\$2.15	\$49.30	\$6,014.54	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.97	\$5.97	\$727.92	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.69	\$2.69	\$328.50	
Irrigation Equipment	1	Acre	\$94.87	\$94.87	\$11,574.24	
Tractors/Self-Propelled	1	Acre	\$48.21	\$48.21	\$5,881.89	
Implements	1	Acre	\$0.45	\$0.45	\$54.60	
Interest on Credit Line			6.00%	\$14.36	\$1,751.44	
<b>Total Variable Costs</b>				<b>\$896.08</b>	<b>\$109,322.08</b>	
<b>Planned Returns Above Variable Costs:</b>				<b>\$273.92</b>	<b>\$33,417.92</b>	
<b>Breakeven Price to Cover Variable Costs</b>			\$137.86	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total	
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$5.71	\$5.71	\$696.60	
Irrigation Equipment	1	Acre	\$60.11	\$60.11	\$7,333.33	
Tractors/Self-Propelled	1	Acre	\$56.81	\$56.81	\$6,931.33	
Implements	1	Acre	\$1.01	\$1.01	\$122.85	
Equipment Investment						
Pickup/General Use Equipment	\$31.65	Dollars	6.00%	\$1.90	\$231.66	
Irrigation Equipment	\$450.82	Dollars	6.00%	\$27.05	\$3,300.00	
Tractors/Self-Propelled	\$439.35	Dollars	6.00%	\$26.36	\$3,216.05	
Implements	\$6.15	Dollars	6.00%	\$0.37	\$45.04	
Allocated Establishment Cost						
Rent-Irrigated Crop	1	Acre	\$70.00	\$70.00	\$8,540.00	
<b>Total Fixed Costs</b>				<b>\$353.00</b>	<b>\$43,066.56</b>	
<b>Total Specified Costs</b>				<b>\$1,249.09</b>	<b>\$152,388.63</b>	
<b>Returns Above Specified Costs</b>				<b>(\$79.09)</b>	<b>(\$9,648.63)</b>	
<b>Breakeven Price to Cover Total Costs</b>			\$192.17	Ton		

**Example Breakeven Prices**

Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	4.88	\$183.81	\$256.22
90%	5.85	\$153.18	\$213.52
100%	6.50	\$137.86	\$192.17
110%	7.15	\$125.33	\$174.70
125%	8.13	\$110.29	\$153.73

Developed by Bill Thompson, Associate 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.**