

**Projections for Planning Purposes Only -- Not to be Used without Updating**  
**2019 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	\$240.00	\$1,560.00	\$190,320.00
<b>Total Revenue</b>				<b>\$1,560.00</b>	<b>\$190,320.00</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	\$0.55	\$40.15	\$4,898.30
Herbicide					
Trifluralin	2	Pint	\$2.81	\$5.63	\$686.25
Glyphosate	110	Ounce	\$0.13	\$14.00	\$1,708.37
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	2.88	Hour	\$12.00	\$34.56	\$4,216.32
Other Labor	0.07	Hour	\$12.00	\$0.84	\$102.48
Diesel Fuel					
Tractors/Self-Propelled	22.93	Gallon	\$2.60	\$59.62	\$7,273.40
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	\$48.42	\$48.42	\$5,906.98
Implements	1	Acre	\$0.48	\$0.48	\$59.09
Interest on Credit Line			6.00%	\$14.78	\$1,803.29
<b>Total Variable Costs</b>				<b>\$914.41</b>	<b>\$111,557.48</b>
Planned Returns Above Variable Costs:				\$645.59	\$78,762.52
<b>Breakeven Price to Cover Variable Costs</b>			<b>\$140.68</b>	<b>Ton</b>	
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	\$57.41	\$57.41	\$7,004.39
Implements	1	Acre	\$1.09	\$1.09	\$132.95
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	\$443.84	Dollars	6.00%	\$26.63	\$3,248.88
Implements	\$6.66	Dollars	6.00%	\$0.40	\$48.75
Allocated Establishment Cost	1	Acre	\$107.45	\$107.45	\$13,108.90
Rent-Irrigated Crop	1	Acre	\$70.00	\$70.00	\$8,540.00
<b>Total Fixed Costs</b>				<b>\$357.75</b>	<b>\$43,645.46</b>
<b>Total Specified Costs</b>				<b>\$1,272.16</b>	<b>\$155,202.94</b>
Returns Above Specified Costs				\$287.84	\$35,117.06
<b>Breakeven Price to Cover Total Costs</b>			<b>\$195.72</b>	<b>Ton</b>	

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	4.88	\$187.57	\$260.95
90%	5.85	\$156.31	\$217.46
100%	6.50	\$140.68	\$195.72
110%	7.15	\$127.89	\$177.92
125%	8.13	\$112.54	\$156.57

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.**