

Projections for Planning Purposes Only -- Not to be Used without Updating
2021 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	Total
Alfalfa Hay - Baled 3X4	6.50	Ton	\$235.00	\$1,527.50	\$186,355.00	\$186,355.00
Total Revenue				\$1,527.50	\$186,355.00	\$186,355.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Custom						
Soil Test-Irrigated	1	Each	\$0.50	\$0.50	\$61.00	
Apply Dry Fertilizer	1	Acre	\$6.00	\$6.00	\$732.00	
Swath, Rake and Bale	9.24	Bale	\$29.58	\$273.32	\$33,344.94	
Fertilizer						
Phos (11-52-0 DRY MAT)	73	Pounds	\$0.45	\$32.99	\$4,024.62	
Herbicide						
Trifluralin	2	Pint	\$2.75	\$5.50	\$671.00	
Glyphosate	110	Ounce	\$0.13	\$14.61	\$1,782.34	
Insecticide						
Intrepid	2.3	Ounce	\$2.04	\$4.69	\$572.16	
Mustang Max(Warrior Z)	7.04	Ounce	\$1.25	\$8.80	\$1,073.60	
Irrigation						
Energy Cost	36.00	AcreInch	\$5.98	\$215.37	\$26,274.93	
Irrigation Labor	0.80	Hour	\$15.00	\$12.00	\$1,464.00	
Machinery Labor						
Tractors/Self-Propelled	2.88	Hour	\$15.00	\$43.20	\$5,270.40	
Other Labor	0.07	Hour	\$15.00	\$1.05	\$128.10	
Diesel Fuel						
Tractors/Self-Propelled	22.93	Gallon	\$1.50	\$34.40	\$4,196.19	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$5.03	\$5.03	\$613.44	
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	\$52.87	\$52.87	\$6,450.38	
Implements	1	Acre	\$0.49	\$0.49	\$60.15	
Interest on Credit Line			4.55%	\$10.14	\$1,237.57	
Total Variable Costs				\$818.52	\$99,859.56	
Planned Returns Above Variable Costs:				\$708.98	\$86,495.44	
Breakeven Price to Cover Variable Costs			\$125.93	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
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	\$63.68	\$63.68	\$7,768.75	
Implements	1	Acre	\$1.11	\$1.11	\$135.33	
Equipment Investment						
Pickup/General Use Equipment	\$31.65	Dollars	5.50%	\$1.74	\$212.36	
Irrigation Equipment	\$450.82	Dollars	5.50%	\$24.80	\$3,025.00	
Tractors/Self-Propelled	\$491.87	Dollars	5.50%	\$27.05	\$3,300.46	
Implements	\$6.78	Dollars	5.50%	\$0.37	\$45.49	
Allocated Establishment Cost	1	Acre	\$100.20	\$100.20	\$12,224.89	
Rent-Irrigated Crop	1	Acre	\$70.00	\$70.00	\$8,540.00	
Total Fixed Costs				\$354.77	\$43,282.21	
Total Specified Costs				\$1,173.29	\$143,141.77	
Returns Above Specified Costs				\$354.21	\$43,213.23	
Breakeven Price to Cover Total Costs			\$180.51	Ton		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	4.88	\$167.90	\$240.68
90%	5.85	\$139.92	\$200.56
100%	6.50	\$125.93	\$180.51
110%	7.15	\$114.48	\$164.10
125%	8.13	\$100.74	\$144.41

Developed by Bill Thompson, Assistant 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.