

Projections for Planning Purposes Only -- Not to be Used without Updating
2022 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	\$265.00	\$1,722.50	\$210,145.00
Total Revenue				\$1,722.50	\$210,145.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
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	\$0.66	\$48.18	\$5,877.96
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	\$12.72	\$458.02	\$55,878.01
Irrigation Labor	0.80	Hour	\$16.38	\$13.10	\$1,598.69
Machinery Labor					
Tractors/Self-Propelled	2.8	Hour	\$16.12	\$45.14	\$5,506.59
Other Labor	0.03	Hour	\$16.12	\$0.48	\$59.00
Diesel Fuel					
Tractors/Self-Propelled	21.82	Gallon	\$2.67	\$58.26	\$7,107.65
Gasoline					
Pickup/General Use Equipment	1	Acre	\$6.12	\$6.12	\$747.00
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	\$56.68	\$56.68	\$6,914.61
Implements	1	Acre	\$0.54	\$0.54	\$65.85
Interest on Credit Line			6.30%	\$18.98	\$2,314.98
Total Variable Costs				\$1,116.48	\$136,210.11
Planned Returns Above Variable Costs:				\$606.02	\$73,934.89
Breakeven Price to Cover Variable Costs			\$171.77	Ton	
FIXED COSTS	Quantity	Units	\$/Unit	Total	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	\$62.40	\$62.40	\$7,612.45
Implements	1	Acre	\$1.21	\$1.21	\$148.15
Equipment Investment					
Pickup/General Use Equipment	\$31.65	Dollars	6.30%	\$1.99	\$243.24
Irrigation Equipment	\$450.82	Dollars	6.30%	\$28.40	\$3,465.00
Tractors/Self-Propelled	\$484.31	Dollars	6.30%	\$30.51	\$3,722.44
Implements	\$7.42	Dollars	6.30%	\$0.47	\$57.04
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				\$361.01	\$44,043.15
Total Specified Costs				\$1,477.49	\$180,253.25
Returns Above Specified Costs				\$245.01	\$29,891.75
Breakeven Price to Cover Total Costs			\$227.31	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	4.88	\$229.02	\$303.07
90%	5.85	\$190.85	\$252.56
100%	6.50	\$171.77	\$227.31
110%	7.15	\$156.15	\$206.64
125%	8.13	\$137.41	\$181.84

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.