

Projections for Planning Purposes Only -- Not to be Used without Updating
2023 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	\$354.00	\$2,301.00	\$280,722.00
Total Revenue				\$2,301.00	\$280,722.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Soil Test-Irrigated	1	Each	\$0.50	\$0.50	\$61.00
Apply Dry Fertilizer	1	Acre	\$6.39	\$6.39	\$779.58
Swath, Rake and Bale	9.24	Bale	\$29.58	\$273.32	\$33,344.94
Fertilizer					
Phos (11-52-0 DRY MAT)	73	Pounds	\$1.29	\$94.17	\$11,488.74
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	\$8.93	\$321.62	\$39,237.22
Irrigation Labor	0.80	Hour	\$17.50	\$14.00	\$1,708.00
Machinery Labor					
Tractors/Self-Propelled	2.8	Hour	\$17.21	\$48.19	\$5,878.94
Other Labor	0.03	Hour	\$17.21	\$0.52	\$62.99
Diesel Fuel					
Tractors/Self-Propelled	21.82	Gallon	\$2.24	\$48.88	\$5,962.97
Gasoline					
Pickup/General Use Equipment	1	Acre	\$5.48	\$5.48	\$668.77
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			8.00%	\$23.56	\$2,873.96
Total Variable Costs				\$1,025.00	\$125,049.41
Planned Returns Above Variable Costs:				\$1,276.00	\$155,672.59
Breakeven Price to Cover Variable Costs			\$157.69	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	\$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	8.00%	\$2.53	\$308.88
Irrigation Equipment	\$450.82	Dollars	8.00%	\$36.07	\$4,400.00
Tractors/Self-Propelled	\$484.31	Dollars	8.00%	\$38.75	\$4,726.90
Implements	\$7.42	Dollars	8.00%	\$0.59	\$72.43
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				\$377.57	\$46,063.64
Total Specified Costs				\$1,402.57	\$171,113.05
Returns Above Specified Costs				\$898.43	\$109,608.95
Breakeven Price to Cover Total Costs			\$215.78	Ton	

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	4.88	\$210.26	\$287.71
90%	5.85	\$175.21	\$239.75
100%	6.50	\$157.69	\$215.78
110%	7.15	\$143.36	\$196.16
125%	8.13	\$126.15	\$172.62

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.