

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Triticale Silage, Sprinkler Irrigated (NG)
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Triticale Silage	10.00	Ton	\$34.92	\$349.20	\$42,602.40	\$42,602.40
Total Revenue				\$349.20	\$42,602.40	\$42,602.40
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Fertilizer						
Fertilizer (N) - ANH3	55	Pound	\$0.29	\$15.79	\$1,925.77	
Fertilizer (P) - Liquid	35	Pound	\$0.48	\$16.72	\$2,039.32	
Fertilizer (N) - Liquid	25	Pound	\$0.48	\$12.04	\$1,469.34	
Custom						
Fertilizer Application - ANH3	1	Acre	\$16.05	\$16.05	\$1,958.27	
Harvest and Haul - Triticale Silage	10	Ton	\$9.64	\$96.35	\$11,754.73	
Insecticide						
Insecticide and Apply Triticale	1	Acre	\$9.62	\$9.62	\$1,173.61	
Seed						
Seed - Triticale	0.6	CWT	\$28.69	\$17.21	\$2,100.12	
Irrigation						
Energy Cost	10.00	AcreInch	\$3.96	\$39.60	\$4,831.20	
Irrigation Labor	0.96	Hour	\$13.65	\$13.10	\$1,598.69	
Machinery Labor						
Tractors/Self-Propelled	0.41	Hour	\$13.43	\$5.51	\$671.77	
Other Labor	0.45	Hour	\$13.43	\$6.04	\$737.31	
Diesel Fuel						
Tractors/Self-Propelled	2.12	Gallon	\$2.33	\$4.94	\$602.63	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.82	\$4.82	\$587.50	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00	
Irrigation Equipment	1	Acre	\$37.50	\$37.50	\$4,575.00	
Tractors/Self-Propelled	1	Acre	\$3.83	\$3.83	\$467.01	
Implements	1	Acre	\$13.52	\$13.52	\$1,649.82	
Interest on Credit Line			6.25%	\$8.67	\$1,058.32	
Total Variable Costs				\$323.82	\$39,506.41	
Planned Returns Above Variable Costs:				\$25.38	\$3,095.99	
Breakeven Price to Cover Variable Costs			\$32.38	Ton		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Pickup/General Use Equipment	1	Acre	\$2.63	\$2.63	\$321.30	
Irrigation Equipment	1	Acre	\$33.50	\$33.50	\$4,087.50	
Tractors/Self-Propelled	1	Acre	\$3.80	\$3.80	\$463.82	
Implements	1	Acre	\$17.11	\$17.11	\$2,087.21	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	6.25%	\$1.14	\$138.66	
Irrigation Equipment	\$470.29	Dollars	6.25%	\$29.39	\$3,585.94	
Tractors/Self-Propelled	\$29.62	Dollars	6.25%	\$1.85	\$225.83	
Implements	\$73.19	Dollars	6.25%	\$4.57	\$558.04	
Cash Rent - Triticale Irrigated	1	Acre	\$76.00	\$76.00	\$9,272.00	
Total Fixed Costs				\$170.00	\$20,740.30	
Total Specified Costs				\$493.83	\$60,246.71	
Returns Above Specified Costs				(\$144.63)	(\$17,644.31)	
Breakeven Price to Cover Total Costs			\$49.38	Ton		

Example Breakeven Prices			
Example	Example	To Cover	To Cover
Yield	Yield	Variable	Total
Percent	Ton	Costs	Costs
75%	7.50	\$43.18	\$65.84
90%	9.00	\$35.98	\$54.87
100%	10.00	\$32.38	\$49.38
110%	11.00	\$29.44	\$44.89
125%	12.50	\$25.91	\$39.51

Developed by Justin Benavidez, Assistant Professor, Texas A&M AgriLife Extension, 806-677-5600.

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.