

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 Estimated Costs and Returns per Acre
Triticale Silage, Sprinkler Irrigated (NG) - 122 Acres
Panhandle Extension District - 1

Crop Acres		122				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Triticale Silage	10.00	Ton	\$34.10	\$341.00	\$41,602.00	\$41,602.00
Total Revenue				\$341.00	\$41,602.00	\$41,602.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Seed						
Seed - Triticale	0.6	CWT	\$38.00	\$22.80	\$2,781.60	
Fertilizer						
Fertilizer (N) - ANH3	60	Pound	\$0.36	\$21.60	\$2,635.20	
Fertilizer (P) - Liquid	40	Pound	\$0.90	\$36.00	\$4,392.00	
Fertilizer (N) - Liquid	30	Pound	\$0.53	\$15.90	\$1,939.80	
Custom						
Fertilizer Application - ANH3	1	Acre	\$12.07	\$12.07	\$1,472.92	
Harvest and Haul - Triticale Silage	10	Ton	\$9.04	\$90.42	\$11,031.24	
Insecticide						
Insecticide and Apply Triticale	1	Acre	\$8.89	\$8.89	\$1,084.00	
Irrigation						
Energy Cost	10.00	AcreInch	\$3.20	\$32.00	\$3,904.00	
Irrigation Labor	0.96	Hour	\$12.16	\$11.67	\$1,424.05	
Machinery Labor						
Tractors/Self-Propelled	0.87	Hour	\$11.97	\$10.41	\$1,270.22	
Diesel Fuel						
Tractors/Self-Propelled	2.13	Gallon	\$1.97	\$4.20	\$511.92	
Gasoline						
Pickup/General Use Equipment	1	Acre	\$4.22	\$4.22	\$515.00	
Repairs & Maintenance						
Pickup/General Use Equipment	1	Acre	\$2.51	\$2.51	\$306.00	
Irrigation Equipment	1	Acre	\$40.40	\$40.40	\$4,928.80	
Tractors/Self-Propelled	1	Acre	\$3.22	\$3.22	\$392.74	
Implements	1	Acre	\$7.79	\$7.79	\$949.88	
Interest on Credit Line			5.15%	\$7.51	\$915.68	
Total Variable Costs				\$331.60	\$40,455.04	
Planned Returns Above Variable Costs:				\$9.40	\$1,146.96	
Breakeven Price to Cover Variable Costs			\$33.16	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	\$22.50	\$22.50	\$2,745.60	
Tractors/Self-Propelled	1	Acre	\$3.18	\$3.18	\$388.43	
Implements	1	Acre	\$9.84	\$9.84	\$1,200.43	
Equipment Investment						
Pickup/General Use Equipment	\$18.18	Dollars	5.40%	\$0.98	\$119.80	
Irrigation Equipment	\$421.97	Dollars	5.40%	\$22.79	\$2,779.92	
Tractors/Self-Propelled	\$24.80	Dollars	5.40%	\$1.34	\$163.40	
Implements	\$42.09	Dollars	5.40%	\$2.27	\$277.30	
Cash Rent - Triticale Irrigated	1	Acre	\$75.00	\$75.00	\$9,150.00	
Total Fixed Costs				\$140.54	\$17,146.18	
Total Specified Costs				\$472.14	\$57,601.22	
Returns Above Specified Costs				(\$131.14)	(\$15,999.22)	
Breakeven Price to Cover Total Costs			\$47.21	Ton		

Example Breakeven Prices			
Example	Example	Price Needed to Cover	Price Needed to Cover
Yield	Yield	Your Variable Costs	Your Total Costs
Percent	Ton		
75%	7.50	\$44.21	\$62.95
90%	9.00	\$36.84	\$52.46
100%	10.00	\$33.16	\$47.21
110%	11.00	\$30.15	\$42.92
125%	12.50	\$26.53	\$37.77

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, Texas A&M AgriLife Extension.

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.