

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
Triticale Silage, Sprinkler Irrigated (NG) - 122 Acres
Panhandle Extension District - 1

Crop Acres		122			
				Total	Enterprise Total
REVENUE					
Triticale Silage	Quantity	Units	\$/Unit	\$316.00	\$38,552.00
	10.00	Ton			
Total Revenue				\$316.00	\$38,552.00
VARIABLE COSTS					
				Total	Enterprise Total
Production Costs					
Fertilizer					
Fertilizer (N) - ANH3	60	Pound	\$0.25	\$15.00	\$1,830.00
Fertilizer (P) - Liquid	40	Pound	\$0.47	\$18.80	\$2,293.60
Fertilizer (N) - Liquid	30	Pound	\$0.41	\$12.30	\$1,500.60
Custom					
Fertilizer Application - ANH3	1	Acre	\$15.00	\$15.00	\$1,830.00
Harvest and Haul - Triticale Silage	10	Ton	\$9.00	\$90.00	\$10,980.00
Insecticide					
Insecticide and Apply Triticale	1	Acre	\$8.90	\$8.90	\$1,085.80
Seed					
Seed - Triticale	0.6	CWT	\$36.60	\$21.96	\$2,679.12
Irrigation					
Energy Cost	10.00	AcreInch	\$3.60	\$36.00	\$4,392.00
Irrigation Labor	0.96	Hour	\$12.45	\$11.95	\$1,458.14
Machinery Labor					
Tractors/Self-Propelled	0.86	Hour	\$12.25	\$10.54	\$1,285.27
Diesel Fuel					
Tractors/Self-Propelled	2.12	Gallon	\$1.81	\$3.84	\$468.14
Gasoline					
Pickup/General Use Equipment	1	Acre	\$3.95	\$3.95	\$482.50
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	\$3.78	\$3.78	\$461.01
Implements	1	Acre	\$11.98	\$11.98	\$1,461.15
Interest on Credit Line			5.40%	\$6.98	\$851.58
Total Variable Costs				\$313.88	\$38,293.71
Planned Returns Above Variable Costs:				\$2.12	\$258.29
Breakeven Price to Cover Variable Costs				\$31.39	Ton
FIXED COSTS					
				Total	Enterprise Total
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	\$3.75	\$3.75	\$457.02
Implements	1	Acre	\$15.13	\$15.13	\$1,845.43
Equipment Investment					
Pickup/General Use Equipment	\$18.18	Dollars	5.65%	\$1.03	\$125.35
Irrigation Equipment	\$470.29	Dollars	5.65%	\$26.57	\$3,241.69
Tractors/Self-Propelled	\$29.18	Dollars	5.65%	\$1.65	\$201.16
Implements	\$64.71	Dollars	5.65%	\$3.66	\$446.03
Cash Rent - Triticale Irrigated	1	Acre	\$72.00	\$72.00	\$8,784.00
Total Fixed Costs				\$159.91	\$19,509.46
Total Specified Costs				\$473.80	\$57,803.18
Returns Above Specified Costs				(\$157.80)	(\$19,251.18)
Breakeven Price to Cover Total Costs				\$47.38	Ton

Example Breakeven Prices			
Example Yield Percent	Example Yield Ton	To Cover Variable Costs	To Cover Total Costs
75%	7.50	\$41.85	\$63.17
90%	9.00	\$34.88	\$52.64
100%	10.00	\$31.39	\$47.38
110%	11.00	\$28.53	\$43.07
125%	12.50	\$25.11	\$37.90

Developed by Steve Amosson, Regents Fellow, Professor and Extension Economist, 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.