

Projections for Planning Purposes Only – Not to be Used without Updating
2018 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 | \$32.25 | \$322.50 | \$39,345.00 | \$39,345.00 |
| Total Revenue | | | | \$322.50 | \$39,345.00 | \$39,345.00 |
| VARIABLE COSTS | Quantity | Units | \$/Unit | Total | Total | Enterprise |
| Production Costs | | | | | | |
| Fertilizer | | | | | | |
| Fertilizer (N) - ANH3 | 60 | Pound | \$0.24 | \$14.40 | \$1,756.80 | |
| Fertilizer (P) - Liquid | 40 | Pound | \$0.47 | \$18.80 | \$2,293.60 | |
| Fertilizer (N) - Liquid | 30 | Pound | \$0.40 | \$12.00 | \$1,464.00 | |
| Custom | | | | | | |
| Fertilizer Application - ANH3 | 1 | Acre | \$15.36 | \$15.36 | \$1,873.92 | |
| Harvest and Haul - Triticale Silage | 10 | Ton | \$9.22 | \$92.20 | \$11,248.40 | |
| Insecticide | | | | | | |
| Insecticide and Apply Triticale | 1 | Acre | \$9.02 | \$9.02 | \$1,100.44 | |
| Seed | | | | | | |
| Seed - Triticale | 0.6 | CWT | \$30.00 | \$18.00 | \$2,196.00 | |
| Irrigation | | | | | | |
| Energy Cost | 10.00 | AcreInch | \$3.50 | \$35.00 | \$4,270.00 | |
| Irrigation Labor | 0.96 | Hour | \$12.64 | \$12.13 | \$1,480.40 | |
| Machinery Labor | | | | | | |
| Tractors/Self-Propelled | 0.41 | Hour | \$12.44 | \$5.10 | \$622.25 | |
| Other Labor | 0.45 | Hour | \$12.44 | \$5.60 | \$682.96 | |
| Diesel Fuel | | | | | | |
| Tractors/Self-Propelled | 2.12 | Gallon | \$1.99 | \$4.22 | \$514.69 | |
| Gasoline | | | | | | |
| Pickup/General Use Equipment | 1 | Acre | \$4.30 | \$4.30 | \$525.00 | |
| 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 | \$3.75 | \$3.75 | \$457.98 | |
| Implements | 1 | Acre | \$12.53 | \$12.53 | \$1,528.39 | |
| Interest on Credit Line | | | 5.74% | \$7.79 | \$950.75 | |
| Total Variable Costs | | | | \$313.12 | \$38,200.38 | |
| Planned Returns Above Variable Costs: | | | | \$9.38 | \$1,144.62 | |
| Breakeven Price to Cover Variable Costs | | | \$31.31 | 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 | \$3.72 | \$3.72 | \$453.71 | |
| Implements | 1 | Acre | \$15.83 | \$15.83 | \$1,931.31 | |
| Equipment Investment | | | | | | |
| Pickup/General Use Equipment | \$18.18 | Dollars | 6.01% | \$1.09 | \$133.33 | |
| Irrigation Equipment | \$470.29 | Dollars | 6.01% | \$28.26 | \$3,448.24 | |
| Tractors/Self-Propelled | \$28.97 | Dollars | 6.01% | \$1.74 | \$212.43 | |
| Implements | \$67.72 | Dollars | 6.01% | \$4.07 | \$496.53 | |
| Cash Rent - Triticale Irrigated | 1 | Acre | \$72.00 | \$72.00 | \$8,784.00 | |
| Total Fixed Costs | | | | \$162.86 | \$19,868.35 | |
| Total Specified Costs | | | | \$475.97 | \$58,068.73 | |
| Returns Above Specified Costs | | | | (\$153.47) | (\$18,723.73) | |
| Breakeven Price to Cover Total Costs | | | \$47.60 | Ton | | |

| Example Breakeven Prices | | | |
|--------------------------|---------|----------|----------|
| Example | Example | To Cover | To Cover |
| Yield | Yield | Variable | Total |
| Percent | Ton | Costs | Costs |
| 75% | 7.50 | \$41.75 | \$63.46 |
| 90% | 9.00 | \$34.79 | \$52.89 |
| 100% | 10.00 | \$31.31 | \$47.60 |
| 110% | 11.00 | \$28.47 | \$43.27 |
| 125% | 12.50 | \$25.05 | \$38.08 |

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.