

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

| Crop Acres | | 122 | | | | Enterprise |
|--|----------|----------|----------------|-------------------|------------------|---------------------|
| REVENUE | Quantity | Units | \$/Unit | Total | Total | Total |
| Corn Silage | 27.00 | Ton | \$37.90 | \$1,023.30 | | \$124,842.60 |
| Total Revenue | | | | \$1,023.30 | | \$124,842.60 |
| VARIABLE COSTS | Quantity | Units | \$/Unit | Total | Total | Enterprise |
| Production Costs | | | | | | |
| Custom | | | | | | |
| Fertilizer Application - ANH3 | 1 | Acre | \$12.07 | \$12.07 | | \$1,472.92 |
| Harvest and Haul - Corn Silage | 27 | Ton | \$9.04 | \$244.13 | | \$29,784.35 |
| Fertilizer | | | | | | |
| Fertilizer (P) - Liquid | 60 | Pound | \$0.90 | \$54.00 | | \$6,588.00 |
| Fertilizer (N) - ANH3 | 126 | Pound | \$0.36 | \$45.36 | | \$5,533.92 |
| Fertilizer (N) - Liquid | 78 | Pound | \$0.53 | \$41.34 | | \$5,043.48 |
| Herbicide | | | | | | |
| Herbicide - Corn Preplant | 1 | Acre | \$17.22 | \$17.22 | | \$2,100.45 |
| Herbicide - Corn Postplant | 1 | Acre | \$15.56 | \$15.56 | | \$1,898.71 |
| Insecticide | | | | | | |
| Miticide | 1 | Acre | \$21.02 | \$21.02 | | \$2,564.29 |
| Insecticide and Apply Corn Silage | 1 | Acre | \$25.70 | \$25.70 | | \$3,135.43 |
| Miscellaneous | | | | | | |
| Crop Insurance Corn Silage Irrigated | 1 | Acre | \$37.70 | \$37.70 | | \$4,599.40 |
| Seed | | | | | | |
| Seed - Corn Silage | 0.4 | Bag | \$290.03 | \$116.01 | | \$14,153.46 |
| Irrigation | | | | | | |
| Energy Cost | 20.00 | AcreInch | \$3.20 | \$64.00 | | \$7,808.00 |
| Irrigation Labor | 1.28 | Hour | \$12.16 | \$15.56 | | \$1,898.73 |
| Machinery Labor | | | | | | |
| Tractors/Self-Propelled | 1.13 | Hour | \$11.97 | \$13.52 | | \$1,649.82 |
| Diesel Fuel | | | | | | |
| Tractors/Self-Propelled | 3.05 | Gallon | \$1.97 | \$6.01 | | \$733.04 |
| Gasoline | | | | | | |
| Pickup/General Use Equipment | 1 | Acre | \$6.33 | \$6.33 | | \$772.50 |
| Repairs & Maintenance | | | | | | |
| Pickup/General Use Equipment | 1 | Acre | \$3.76 | \$3.76 | | \$459.00 |
| Irrigation Equipment | 1 | Acre | \$80.80 | \$80.80 | | \$9,857.60 |
| Tractors/Self-Propelled | 1 | Acre | \$4.46 | \$4.46 | | \$543.83 |
| Implements | 1 | Acre | \$13.73 | \$13.73 | | \$1,674.68 |
| Interest on Credit Line | | | 5.15% | \$11.67 | | \$1,424.07 |
| Total Variable Costs | | | | \$849.96 | | \$103,695.70 |
| Planned Returns Above Variable Costs: | | | | \$173.34 | | \$21,146.90 |
| Breakeven Price to Cover Variable Costs | | | \$31.48 | Ton | | |
| FIXED COSTS | Quantity | Units | \$/Unit | Total | Total | Enterprise |
| Machinery Depreciation | | | | | | |
| Pickup/General Use Equipment | 1 | Acre | \$3.95 | \$3.95 | | \$481.95 |
| Irrigation Equipment | 1 | Acre | \$22.50 | \$22.50 | | \$2,745.60 |
| Tractors/Self-Propelled | 1 | Acre | \$4.46 | \$4.46 | | \$543.75 |
| Implements | 1 | Acre | \$16.77 | \$16.77 | | \$2,045.80 |
| Equipment Investment | | | | | | |
| Pickup/General Use Equipment | \$27.28 | Dollars | 5.40% | \$1.47 | | \$179.70 |
| Irrigation Equipment | \$421.97 | Dollars | 5.40% | \$22.79 | | \$2,779.92 |
| Tractors/Self-Propelled | \$34.72 | Dollars | 5.40% | \$1.87 | | \$228.74 |
| Implements | \$71.73 | Dollars | 5.40% | \$3.87 | | \$472.58 |
| Cash Rent - Corn | 1 | Acre | \$125.00 | \$125.00 | | \$15,250.00 |
| Total Fixed Costs | | | | \$202.69 | | \$24,728.04 |
| Total Specified Costs | | | | \$1,052.65 | | \$128,423.74 |
| Returns Above Specified Costs | | | | | (\$29.35) | (\$3,581.14) |
| Breakeven Price to Cover Total Costs | | | \$38.99 | Ton | | |

| Example Breakeven Prices | | | |
|--------------------------|-------------------|---|--|
| Example Yield Percent | Example Yield Ton | Price Needed to Cover Your Variable Costs | Price Needed to Cover Your Total Costs |
| 75% | 20.25 | \$41.97 | \$51.98 |
| 90% | 24.30 | \$34.98 | \$43.32 |
| 100% | 27.00 | \$31.48 | \$38.99 |
| 110% | 29.70 | \$28.62 | \$35.44 |
| 125% | 33.75 | \$25.18 | \$31.19 |

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.