

Projections for Planning Purposes Only -- Not to be Used without Updating
2019 Estimated Costs and Returns per Acre
Bt Corn for Grain, Strip Till
Panhandle Extension District - 1

| Crop Acres | | 122 | | | | |
|---|--|----------|----------|----------|----------|------------------|
| | | Quantity | Units | \$/Unit | Total | Enterprise Total |
| REVENUE | | | | | | |
| Corn | | 225.00 | Bushel | \$4.15 | \$933.75 | \$113,917.50 |
| Total Revenue | | | | | \$933.75 | \$113,917.50 |
| VARIABLE COSTS | | | | | | |
| Production Costs | | | | | | |
| Custom | | | | | | |
| Fertilizer Application - ANH3 | | 1 | Acre | \$15.36 | \$15.36 | \$1,873.92 |
| Crop Consultant | | 1 | Acre | \$8.19 | \$8.19 | \$999.18 |
| Harvest and Haul - Corn | | 225 | Bushel | \$0.41 | \$92.25 | \$11,254.50 |
| Strip Till | | 1 | Acre | \$20.48 | \$20.48 | \$2,498.56 |
| Fertilizer | | | | | | |
| Fertilizer (P) - Liquid | | 90 | Pound | \$0.54 | \$48.60 | \$5,929.20 |
| Fertilizer (N) - ANH3 | | 140 | Pound | \$0.28 | \$39.20 | \$4,782.40 |
| Fertilizer (N) - Liquid | | 85 | Pound | \$0.47 | \$39.95 | \$4,873.90 |
| Herbicide | | | | | | |
| Herbicide - Corn Preplant | | 1 | Acre | \$18.32 | \$18.32 | \$2,235.04 |
| Herbicide - Corn Postplant | | 1 | Acre | \$16.54 | \$16.54 | \$2,017.88 |
| Burndown Herbicide | | 1 | Acre | \$20.01 | \$20.01 | \$2,441.22 |
| Insecticide | | | | | | |
| Miticide | | 1 | Acre | \$21.86 | \$21.86 | \$2,666.92 |
| Miscellaneous | | | | | | |
| Crop Insurance Corn Irrigated | | 1 | Acre | \$40.15 | \$40.15 | \$4,898.30 |
| Seed | | | | | | |
| Seed - Bt Corn for Grain | | 0.38 | Bag | \$255.00 | \$96.90 | \$11,821.80 |
| Irrigation | | | | | | |
| Energy Cost | | 20.00 | AcreInch | \$3.40 | \$68.00 | \$8,296.00 |
| Irrigation Labor | | 1.28 | Hour | \$13.24 | \$16.95 | \$2,067.56 |
| Machinery Labor | | | | | | |
| Tractors/Self-Propelled | | 0.15 | Hour | \$13.03 | \$1.95 | \$238.45 |
| Other Labor | | 0.15 | Hour | \$13.03 | \$1.95 | \$238.45 |
| Diesel Fuel | | | | | | |
| Tractors/Self-Propelled | | 0.65 | Gallon | \$2.33 | \$1.51 | \$184.77 |
| Gasoline | | | | | | |
| Pickup/General Use Equipment | | 1 | Acre | \$7.22 | \$7.22 | \$881.25 |
| Repairs & Maintenance | | | | | | |
| Pickup/General Use Equipment | | 1 | Acre | \$3.76 | \$3.76 | \$459.00 |
| Irrigation Equipment | | 1 | Acre | \$75.00 | \$75.00 | \$9,150.00 |
| Tractors/Self-Propelled | | 1 | Acre | \$1.07 | \$1.07 | \$131.15 |
| Implements | | 1 | Acre | \$6.51 | \$6.51 | \$794.24 |
| Interest on Credit Line | | | | 6.04% | \$13.14 | \$1,603.06 |
| Total Variable Costs | | | | | \$674.89 | \$82,336.75 |
| Planned Returns Above Variable Costs: | | | | | \$258.86 | \$31,580.75 |
| Breakeven Price to Cover Variable Costs | | | | \$3.00 | Bushel | |
| FIXED COSTS | | | | | | |
| Machinery Depreciation | | | | | | |
| Pickup/General Use Equipment | | 1 | Acre | \$3.95 | \$3.95 | \$481.95 |
| Irrigation Equipment | | 1 | Acre | \$47.34 | \$47.34 | \$5,775.00 |
| Tractors/Self-Propelled | | 1 | Acre | \$0.89 | \$0.89 | \$108.42 |
| Implements | | 1 | Acre | \$8.37 | \$8.37 | \$1,021.17 |
| Equipment Investment | | | | | | |
| Pickup/General Use Equipment | | \$27.28 | Dollars | 6.32% | \$1.72 | \$210.31 |
| Irrigation Equipment | | \$571.72 | Dollars | 6.32% | \$36.13 | \$4,408.20 |
| Tractors/Self-Propelled | | \$6.92 | Dollars | 6.32% | \$0.44 | \$53.38 |
| Implements | | \$35.81 | Dollars | 6.32% | \$2.26 | \$276.08 |
| Cash Rent - Corn | | 1 | Acre | \$120.00 | \$120.00 | \$14,640.00 |
| Total Fixed Costs | | | | | \$221.10 | \$26,974.50 |
| Total Specified Costs | | | | | \$895.99 | \$109,311.25 |
| Returns Above Specified Costs | | | | | \$37.76 | \$4,606.25 |
| Breakeven Price to Cover Total Costs | | | | \$3.98 | Bushel | |

| Example Breakeven Prices | | | |
|--------------------------|----------------------|-------------------------|----------------------|
| Example Yield Percent | Example Yield Bushel | To Cover Variable Costs | To Cover Total Costs |
| 75% | 168.75 | \$4.00 | \$5.31 |
| 90% | 202.50 | \$3.33 | \$4.42 |
| 100% | 225.00 | \$3.00 | \$3.98 |
| 110% | 247.50 | \$2.73 | \$3.62 |
| 125% | 281.25 | \$2.40 | \$3.19 |

Developed by DeDe Jones, Extension Risk Management Specialist III, 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.