

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 Estimated Costs and Returns per Acre
Irrigated Corn - 122 Acres
South Plains Extension District - 2

| Crop Acres | | 122 | | | |
|---|----------|----------|---------------|-------------------|---------------------|
| REVENUE | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Corn | 210.00 | Bushel | \$4.00 | \$840.00 | \$102,480.00 |
| Total Revenue | | | | \$840.00 | \$102,480.00 |
| VARIABLE COSTS | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Production Costs | | | | | |
| Custom | | | | | |
| Crop Consultant | 1 | Acre | \$6.00 | \$6.00 | \$732.00 |
| Harvest and Haul - Corn | 210 | Bushel | \$0.34 | \$71.40 | \$8,710.80 |
| Fertilizer Application - Liquid High | 1 | Acre | \$4.75 | \$4.75 | \$579.50 |
| Fertilizer Application - Dry | 1 | Acre | \$3.50 | \$3.50 | \$427.00 |
| Fertilizer Application - NH3 | 1 | Acre | \$3.50 | \$3.50 | \$427.00 |
| Fertilizer | | | | | |
| Fertilizer (N) - Liquid | 120 | Pound | \$0.58 | \$69.36 | \$8,461.92 |
| Fertilizer (P) - Dry | 108 | Pound | \$0.57 | \$61.24 | \$7,470.79 |
| Fertilizer (N) - NH3 | 150 | Pound | \$0.38 | \$56.70 | \$6,917.40 |
| Herbicide | | | | | |
| Herbicide and Apply Corn | 1 | Acre | \$42.35 | \$42.35 | \$5,166.70 |
| Insecticide | | | | | |
| Insecticide and Apply Corn | 1 | Acre | \$25.00 | \$25.00 | \$3,050.00 |
| Miscellaneous | | | | | |
| Crop Insurance Corn Irrigated | 1 | Acre | \$15.50 | \$15.50 | \$1,891.00 |
| Seed | | | | | |
| Seed - Corn | 0.4375 | Bag | \$272.00 | \$119.00 | \$14,518.00 |
| Irrigation | | | | | |
| Energy Cost | 24.00 | AcreInch | \$9.00 | \$216.00 | \$26,352.00 |
| Irrigation Labor | 0.90 | Hour | \$12.00 | \$10.80 | \$1,317.60 |
| Machinery Labor | | | | | |
| Tractors/Self-Propelled | 1 | Hour | \$12.00 | \$12.00 | \$1,464.00 |
| Diesel Fuel | | | | | |
| Tractors/Self-Propelled | 2.4 | Gallon | \$3.00 | \$7.20 | \$878.40 |
| Gasoline | | | | | |
| Pickup/General Use Equipment | 1 | Acre | \$4.50 | \$4.50 | \$548.44 |
| Repairs & Maintenance | | | | | |
| Pickup/General Use Equipment | 1 | Acre | \$0.50 | \$0.50 | \$61.00 |
| Irrigation Equipment | 1 | Acre | \$42.00 | \$42.00 | \$5,124.00 |
| Tractors/Self-Propelled | 1 | Acre | \$6.00 | \$6.00 | \$732.00 |
| Implements | 1 | Acre | \$3.00 | \$3.00 | \$366.00 |
| Interest on Credit Line | | | 6.00% | \$13.93 | \$1,699.78 |
| Total Variable Costs | | | | \$794.22 | \$96,895.33 |
| Planned Returns Above Variable Costs: | | | | \$45.78 | \$5,584.67 |
| Breakeven Price to Cover Variable Costs | | | \$3.78 | Bushel | |
| FIXED COSTS | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Equipment Fixed Costs | | | | | |
| Pickup/General Use Equipment | 1 | Acre | \$1.25 | \$1.25 | \$152.50 |
| Irrigation Equipment | 1 | Acre | \$55.00 | \$55.00 | \$6,710.00 |
| Tractors/Self-Propelled | 1 | Acre | \$12.00 | \$12.00 | \$1,464.00 |
| Implements | 1 | Acre | \$10.00 | \$10.00 | \$1,220.00 |
| Management Fee, Owner/Operator Labor | 1 | Acre | \$30.00 | \$30.00 | \$3,660.00 |
| Cash Rent - Corn | 1 | Acre | \$130.00 | \$130.00 | \$15,860.00 |
| Whole Farm Insurance | 1 | Acre | \$2.00 | \$2.00 | \$244.00 |
| Total Fixed Costs | | | | \$240.25 | \$29,310.50 |
| Total Specified Costs | | | | \$1,034.47 | \$126,205.83 |
| Returns Above Specified Costs | | | | (\$194.47) | (\$23,725.83) |
| Breakeven Price to Cover Total Costs | | | \$4.93 | Bushel | |

| Example Breakeven Prices | | | |
|--------------------------|----------------------|---|--|
| Example Yield Percent | Example Yield Bushel | Price Needed to Cover Your Variable Costs | Price Needed to Cover Your Total Costs |
| 75% | 157.50 | \$5.04 | \$6.57 |
| 90% | 189.00 | \$4.20 | \$5.47 |
| 100% | 210.00 | \$3.78 | \$4.93 |
| 110% | 231.00 | \$3.44 | \$4.48 |
| 125% | 262.50 | \$3.03 | \$3.94 |

Developed by Jackie Smith, 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.