**2014 Estimated Costs and Returns per Acre**

**Bt Corn for Grain, Sprinkler Irrigated (NG)** - 122 Acres

**Panhandle Extension District - 1**

### Crop Acres

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>122</td>
<td></td>
</tr>
</tbody>
</table>

### REVENUE

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
<th>Enterprise Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>225.00</td>
<td>Bushel</td>
<td>$4.82</td>
<td>$1,084.50</td>
<td>$132,309.00</td>
</tr>
</tbody>
</table>

### VARIABLE COSTS

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
<th>Enterprise Total</th>
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#### Production Costs

- **Seed**
  - Seed - Bt Corn for Grain: 0.38 Bag, $260.00, $106.40, $12,980.80

- **Fertilizer**
  - Fertilizer (N) - ANH3: 126 Pound, $0.38, $47.88, $5,641.36
  - Fertilizer (P) - Liquid: 60 Pound, $0.79, $47.40, $5,782.80
  - Fertilizer (N) - Liquid: 78 Pound, $0.64, $49.92, $6,090.24

- **Herbicide**
  - Herbicide - Corn Preplant: 1 Acre, $17.36, $17.36, $2,117.41
  - Herbicide - Corn Postplant: 1 Acre, $15.69, $15.69, $1,914.08

- **Insecticide**
  - Miticide: 1 Acre, $21.52, $21.52, $2,626.04

- **Miscellaneous**
  - Crop Insurance Corn Irrigated: 1 Acre, $25.63, $25.63, $3,127.10
  - Custom Application - ANH3: 1 Acre, $11.75, $11.75, $1,433.50
  - Crop Consultant: 1 Acre, $8.63, $8.63, $1,052.86
  - Harvest and Haul - Corn: 225 Bushel, $0.43, $96.75, $11,803.50
  - Hericide - Corn Preplant: 1 Acre, $17.36, $17.36, $2,117.41
  - Hericide - Corn Postplant: 1 Acre, $15.69, $15.69, $1,914.08
  - Insecticide: 1 Acre, $21.52, $21.52, $2,626.04

- **Irrigation Costs**
  - Energy or Water Cost: 22.00 AcreInch, $4.30, $94.60, $11,541.20
  - Irrigation Labor: 1.41 Hour, $11.75, $16.54, $2,018.37

- **Machinery Labor**
  - Tractors/Self-Propelled: 0.84 Hour, $11.75, $9.87, $1,204.14
  - Diesel Fuel: 2.17 Gallon, $3.28, $7.12, $868.35

- **Gasoline**
  - Pickup/General Use Equipment: 1 Acre, $9.99, $9.99, $1,218.75

- **Repairs & Maintenance**
  - Pickup/General Use Equipment: 1 Acre, $3.76, $3.76, $459.00
  - Irrigation Equipment: 1 Acre, $88.88, $88.88, $10,843.36
  - Tractors/Self-Propelled: 1 Acre, $7.46, $7.46, $909.94
  - Implements: 1 Acre, $15.13, $15.13, $1,845.37

- **Interest on Credit Line**
  - Pickup/General Use Equipment: 4.75%, $9.94, $1,212.09
  - Irrigation Equipment: 5.25%, $36.92, $4,504.50
  - Tractors/Self-Propelled: 5.25%, $4.29, $523.31
  - Implements: 5.25%, $7.80, $951.42

- **Cash Rent - Corn**
  - 1 Acre, $140.00, $140.00, $17,080.00

#### FIXED COSTS

<table>
<thead>
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</table>

- **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, $7.24, $7.24, $882.86
  - Implements: 1 Acre, $19.10, $19.10, $2,330.02

- **Equipment Investment**
  - Pickup/General Use Equipment: $47.03 Dollars, 5.25%, $2,471.22
  - Irrigation Equipment: $703.28 Dollars, 5.25%, $36,920.50
  - Tractors/Self-Propelled: $81.70 Dollars, 5.25%, $4,293.31
  - Implements: $148.54 Dollars, 5.25%, $7,804.62

- **Cash Rent - Corn**
  - 1 Acre, $140.00, $140.00, $17,080.00

#### Total Costs

<table>
<thead>
<tr>
<th>Quantity</th>
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</table>

- **Total Variable Costs**: $712.22, $86,890.26
- **Total Fixed Costs**: $244.27, $29,800.89
- **Total Specified Costs**: $956.48, $116,691.15
- **Returns Above Specified Costs**: $128.02, $15,617.85

### Breakeven Price to Cover Total Costs

- **Price Needed to Cover Total Costs**: $4.25 Bushel

### Example Breakeven Prices

<table>
<thead>
<tr>
<th>Yield</th>
<th>Yield</th>
<th>Price Needed to Cover Total Costs</th>
<th>Price Needed to Cover Example Variable Costs</th>
<th>Price Needed to Cover Example Total Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>75%</td>
<td>168.75</td>
<td>$4.22, $4.22, $5.67, $5.67</td>
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<tr>
<td>90%</td>
<td>202.50</td>
<td>$3.52, $3.52, $4.72, $4.72</td>
<td>$0.00</td>
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</tr>
<tr>
<td>100%</td>
<td>225.00</td>
<td>$3.17, $3.17, $4.25, $4.25</td>
<td>$0.00</td>
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<tr>
<td>110%</td>
<td>247.50</td>
<td>$2.88, $2.88, $3.86, $3.86</td>
<td>$0.00</td>
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<tr>
<td>125%</td>
<td>281.25</td>
<td>$2.53, $2.53, $3.40, $3.40</td>
<td>$0.00</td>
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</tbody>
</table>

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.