## 2016 Estimated Costs and Returns per Acre

**Soybeans, Roundup Ready, Sprinkler Irrigated (NG)** - 122 Acres

### Panhandle Extension District - 1

<table>
<thead>
<tr>
<th>Crop Acres</th>
<th>122</th>
</tr>
</thead>
</table>

### REVENUE

<table>
<thead>
<tr>
<th></th>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soybeans</td>
<td>60.00</td>
<td>Bushel</td>
<td>$7.70</td>
<td>$462.00</td>
<td>$56,364.00</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td></td>
<td></td>
<td></td>
<td>$462.00</td>
<td>$56,364.00</td>
</tr>
</tbody>
</table>

### VARIABLE COSTS

#### Production Costs

- **Herbicide**
  - Herbicide and Apply Soybeans: 2 Acre, $11.96, $23.93, $2,919.27
- **Seed**
  - Seed - Soybeans: 1 Bag, $72.63, $72.63, $8,861.30
  - Innoculant Soybeans: 1 Acre, $7.82, $7.82, $953.82
- **Fertilizer**
  - Fertilizer (P) - Liquid: 45 Pound, $0.90, $40.50, $4,941.00
- **Custom**
  - Harvest and Haul - Soybeans: 60 Bushel, $0.68, $40.69, $4,964.06
- **Miscellaneous**
  - Crop Insurance Soybeans: 1 Acre, $35.66, $35.66, $4,350.52
- **Insecticide**
  - Insecticide and Apply Soybeans: 0.5 Acre, $8.98, $4.49, $547.83
- **Irrigation**
  - Energy Cost: 14.00 AcreInch, $3.20, $44.80, $5,465.60
  - Irrigation Labor: 0.90 Hour, $12.16, $10.89, $1,329.11
  - Machinery Labor: 0.73 Hour, $11.97, $8.74, $1,065.81
  - Diesel Fuel: 2.01 Gallon, $1.97, $3.96, $483.08
  - Gasoline: 1 Acre, $4.22, $4.22, $515.00
  - Repairs & Maintenance: 1 Acre, $2.63, $2.63, $321.30
  - Implements: 1 Acre, $22.50, $22.50, $2,745.60
  - Irrigation Equipment: 1 Acre, $3.11, $3.11, $379.55
  - Tractors/Self-Propelled: 1 Acre, $14.57, $14.57, $1,777.00
  - Equipment Investment: $18.18 Dollars, 5.40%, $0.98, $919.20
  - Irrigation Equipment: $421.97 Dollars, 5.40%, $22.79, $2,779.92
  - Tractors/Self-Propelled: $24.24 Dollars, 5.40%, $1.31, $159.67
  - Implements: $62.31 Dollars, 5.40%, $3.36, $410.49
  - Cash Rent - Soybeans: 1 Acre, $75.00, $75.00, $9,150.00

#### Total Variable Costs

- **Total** $378.42, $46,166.99

### Planned Returns Above Variable Costs:

- **Total** $83.58, $10,197.01

### Breakeven Price to Cover Variable Costs

- **Total** $6.31, Bushel

### FIXED COSTS

#### Machinery Depreciation

- **Pickup/General Use Equipment**
  - 1 Acre, $2.63, $2.63, $321.30
  - 1 Acre, $22.50, $22.50, $2,745.60
  - 1 Acre, $3.11, $3.11, $379.55
  - 1 Acre, $14.57, $14.57, $1,777.00
  - $18.18 Dollars, 5.40%, $0.98, $919.20
  - $421.97 Dollars, 5.40%, $22.79, $2,779.92
  - $24.24 Dollars, 5.40%, $1.31, $159.67
  - $62.31 Dollars, 5.40%, $3.36, $410.49
  - 1 Acre, $75.00, $75.00, $9,150.00

#### Equipment Investment

- **Pickup/General Use Equipment**
  - $18.18 Dollars, 5.40%, $0.98, $919.20
  - $421.97 Dollars, 5.40%, $22.79, $2,779.92
  - $24.24 Dollars, 5.40%, $1.31, $159.67
  - $62.31 Dollars, 5.40%, $3.36, $410.49
  - 1 Acre, $75.00, $75.00, $9,150.00

#### Total Fixed Costs

- **Total** $146.26, $17,843.33

### Total Specified Costs

- **Total** $524.67, $64,010.33

### Returns Above Specified Costs

- **Total** ($62.67), ($7,646.33)

### Breakeven Price to Cover Total Costs

- **Total** $8.74, Bushel

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**Example Breakeven Prices**

<table>
<thead>
<tr>
<th>Example</th>
<th>Example</th>
<th>Price Needed to Cover Your Variable Costs</th>
<th>Price Needed to Cover Your Total Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>75%</td>
<td>45.00</td>
<td>$8.41</td>
<td>$11.66</td>
</tr>
<tr>
<td>90%</td>
<td>54.00</td>
<td>$7.01</td>
<td>$9.72</td>
</tr>
<tr>
<td>100%</td>
<td>60.00</td>
<td>$6.31</td>
<td>$8.74</td>
</tr>
<tr>
<td>110%</td>
<td>66.00</td>
<td>$5.73</td>
<td>$7.95</td>
</tr>
<tr>
<td>125%</td>
<td>75.00</td>
<td>$5.05</td>
<td>$7.00</td>
</tr>
</tbody>
</table>

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Developed by Steve Amossos, 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.*