## 2016 Estimated Costs and Returns per Acre

### Soybeans - 500 Acres

#### Southeast Extension District - 9

### REVENUE

<table>
<thead>
<tr>
<th>Crop Acres</th>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
<th>Enterprise Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soybeans</td>
<td>25.00</td>
<td>Bushel</td>
<td>$9.00</td>
<td>$225.00</td>
<td>$112,500.00</td>
</tr>
<tr>
<td>Total Revenue</td>
<td></td>
<td></td>
<td></td>
<td>$225.00</td>
<td>$112,500.00</td>
</tr>
</tbody>
</table>

### VARIABLE COSTS

#### Production Costs

<table>
<thead>
<tr>
<th></th>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
<th>Enterprise Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Custom Ground Fertilizer</td>
<td>1</td>
<td>Acre</td>
<td>$7.00</td>
<td>$7.00</td>
<td>$3,500.00</td>
</tr>
<tr>
<td>Ground Herbicide</td>
<td>1</td>
<td>Acre</td>
<td>$7.00</td>
<td>$7.00</td>
<td>$3,500.00</td>
</tr>
<tr>
<td>Herbicide Application</td>
<td>2</td>
<td>Acre</td>
<td>$7.00</td>
<td>$14.00</td>
<td>$7,000.00</td>
</tr>
<tr>
<td>Air Insecticide</td>
<td>1</td>
<td>Acre</td>
<td>$9.00</td>
<td>$9.00</td>
<td>$4,500.00</td>
</tr>
<tr>
<td>Custom Grain Haul</td>
<td>25</td>
<td>Bushel</td>
<td>$0.20</td>
<td>$5.00</td>
<td>$2,500.00</td>
</tr>
<tr>
<td>Drying Soybeans</td>
<td>12.5</td>
<td>Bushel</td>
<td>$0.50</td>
<td>$6.25</td>
<td>$3,125.00</td>
</tr>
<tr>
<td>Fertilizer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DAP (18-46-0)</td>
<td>100</td>
<td>Pound</td>
<td>$0.28</td>
<td>$28.00</td>
<td>$14,000.00</td>
</tr>
<tr>
<td>Potash (0-0-60)</td>
<td>100</td>
<td>Pound</td>
<td>$0.23</td>
<td>$23.00</td>
<td>$11,500.00</td>
</tr>
<tr>
<td>Herbicide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Valor SX</td>
<td>2</td>
<td>Ounce</td>
<td>$5.94</td>
<td>$11.88</td>
<td>$5,937.50</td>
</tr>
<tr>
<td>Select Max</td>
<td>20</td>
<td>Ounce</td>
<td>$0.78</td>
<td>$15.63</td>
<td>$7,812.50</td>
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<tr>
<td>Ultra Blazer</td>
<td>1</td>
<td>Pint</td>
<td>$10.00</td>
<td>$10.00</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>Seed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seed - Soybeans</td>
<td>1</td>
<td>Bag</td>
<td>$44.00</td>
<td>$44.00</td>
<td>$22,000.00</td>
</tr>
<tr>
<td>Insecticide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mustang Max</td>
<td>3.2</td>
<td>Ounce</td>
<td>$1.45</td>
<td>$4.62</td>
<td>$2,312.00</td>
</tr>
<tr>
<td>Other Chemicals</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Surfactant</td>
<td>1</td>
<td>Acre</td>
<td>$1.50</td>
<td>$1.50</td>
<td>$750.00</td>
</tr>
<tr>
<td>Machinery Labor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tractors/Self-Propelled</td>
<td>1.48</td>
<td>Hour</td>
<td>$13.75</td>
<td>$20.35</td>
<td>$10,175.00</td>
</tr>
<tr>
<td>Diesel Fuel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tractors/Self-Propelled</td>
<td>5.92</td>
<td>Gallon</td>
<td>$2.00</td>
<td>$11.84</td>
<td>$5,920.00</td>
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<tr>
<td>Gasoline</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pickup/General Use Equipment</td>
<td>1</td>
<td>Acre</td>
<td>$0.95</td>
<td>$9.50</td>
<td>$475.00</td>
</tr>
<tr>
<td>Repairs &amp; Maintenance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pickup/General Use Equipment</td>
<td>1</td>
<td>Acre</td>
<td>$0.61</td>
<td>$0.61</td>
<td>$306.00</td>
</tr>
<tr>
<td>Tractors/Self-Propelled</td>
<td>1</td>
<td>Acre</td>
<td>$19.42</td>
<td>$19.42</td>
<td>$9,709.05</td>
</tr>
<tr>
<td>Implements</td>
<td>1</td>
<td>Acre</td>
<td>$14.33</td>
<td>$14.33</td>
<td>$7,163.60</td>
</tr>
<tr>
<td>Interest on Credit Line</td>
<td>5.00%</td>
<td></td>
<td>$4.42</td>
<td>$2,210.35</td>
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</tr>
</tbody>
</table>

Total Variable Costs: $258,790, $129,396.00
Planned Returns Above Variable Costs: ($33,790, $16,896.00)
Breakeven Price to Cover Variable Costs: $10.35, $51,896.00

### FIXED COSTS

<table>
<thead>
<tr>
<th></th>
<th>Quantity</th>
<th>Units</th>
<th>$/Unit</th>
<th>Total</th>
<th>Enterprise Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machinery Depreciation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pickup/General Use Equipment</td>
<td>1</td>
<td>Acre</td>
<td>$0.64</td>
<td>$0.64</td>
<td>$321.30</td>
</tr>
<tr>
<td>Tractors/Self-Propelled</td>
<td>1</td>
<td>Acre</td>
<td>$18.24</td>
<td>$18.24</td>
<td>$9,117.93</td>
</tr>
<tr>
<td>Implements</td>
<td>1</td>
<td>Acre</td>
<td>$19.42</td>
<td>$19.42</td>
<td>$9,207.36</td>
</tr>
<tr>
<td>Equipment Investment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pickup/General Use Equipment</td>
<td>$4.44</td>
<td>Dollars</td>
<td>5.00%</td>
<td>$0.22</td>
<td>$110.93</td>
</tr>
<tr>
<td>Tractors/Self-Propelled</td>
<td>$138.41</td>
<td>Dollars</td>
<td>5.00%</td>
<td>$6.92</td>
<td>$3,460.14</td>
</tr>
<tr>
<td>Implements</td>
<td>$82.35</td>
<td>Dollars</td>
<td>5.00%</td>
<td>$4.12</td>
<td>$2,058.64</td>
</tr>
<tr>
<td>Cash Rent - Soybeans</td>
<td>1</td>
<td>Acre</td>
<td>$21.00</td>
<td>$21.00</td>
<td>$10,500.00</td>
</tr>
</tbody>
</table>

Total Fixed Costs: $69,555, $34,776.29
Total Specified Costs: $328,340, $164,172.29
Returns Above Specified Costs: ($103,340, $51,672.29)
Breakeven Price to Cover Total Costs: $13.13, $51,672.29

### Example Breakeven Prices

<table>
<thead>
<tr>
<th>Example Yield Percent</th>
<th>Example Yield Bushel</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>18.75</td>
<td>$13.80</td>
<td>$17.51</td>
</tr>
<tr>
<td>90%</td>
<td>22.50</td>
<td>$11.50</td>
<td>$14.59</td>
</tr>
<tr>
<td>100%</td>
<td>25.00</td>
<td>$10.35</td>
<td>$13.13</td>
</tr>
<tr>
<td>110%</td>
<td>27.50</td>
<td>$9.41</td>
<td>$11.94</td>
</tr>
<tr>
<td>125%</td>
<td>31.25</td>
<td>$8.28</td>
<td>$10.51</td>
</tr>
</tbody>
</table>

Developed by Extension Economists, Texas A&M AgriLife Extension Service.

*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.*