Costs and Returns per acre from growing corn for grain, 2006
Box Elder County

<table>
<thead>
<tr>
<th>Receipts</th>
<th>Quantity per acre</th>
<th>Unit</th>
<th>Price/cost per unit</th>
<th>Value/cost per acre</th>
<th>Base Value</th>
<th>Your Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corn grain</td>
<td>169.7</td>
<td>bushels</td>
<td>$2.87</td>
<td>$487.15</td>
<td>$487.15</td>
<td></td>
</tr>
<tr>
<td>Residue</td>
<td>-</td>
<td>AUM</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td></td>
<td>$487.15</td>
<td>$487.15</td>
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</tr>
</tbody>
</table>

**Operating costs**

- **Land preparation**
  - Plowing (every 3rd year) 1/3 acre $5.88 $1.96 $1.96
  - Discing w/ packer 2 acre $3.73 $7.47 $7.47
  - Land plane 2 acre $3.34 $6.69 $6.69
  - Planting 1 acre $5.28 $5.28 $5.28

- **Seed**
  - 0.5 bags $90.00 $45.00 $45.00

- **Cultivations**
  - first 1 acre $2.94 $2.94 $2.94
  - second 1 acre $2.94 $2.94 $2.94

- **Fertilization**
  - Nitrogen (34-0-0) 561 pounds $0.18 $100.14 $100.14
  - Phosphate (11-52-0) 163 pounds $0.18 $29.10 $29.10

- **Custom application**
  - 1 acre $7.82 $7.82 $7.82

- **Irrigation**
  - 6 irrigations $2.00 $2.00 $2.00
  - 1 share $10.00 $10.00 $10.00

- **Labor**
  - 2.00 hours $10.00 $20.00 $20.00

- **Repairs/maintenance**
  - 1 acre $2.30 $2.30 $2.30

- **Pumping**
  - - acre inch $0.00 $0.00 $0.00

- **Custom combine**
  - 1 acre $32.00 $32.00 $32.00

- **Haul grain (custom)**
  - 169.7 bushel $0.06 $10.18 $10.16

- **Crop insurance (75% Yield, 100% Price)**
  - 1 acre $11.00 $11.00 $11.00

- **Interest on operating capital**
  - 7.61% $6.82 $6.82 $6.82

| **Subtotal** |                  |       |                     | $352.03             | $352.03    |            |

**Ownership costs (excludes cost of land)**

- Farm insurance 1 acre $2.00 $2.00 $2.00
- Machinery ownership costs 1 acre $49.92 $49.92 $49.92
- Irrigation equipment costs 1 acre $8.25 $8.25 $8.25

| **Total costs** |                  |       |                     | $412.20             | $412.20    |            |

**Net returns to owner for unpaid labor, management, equity and risk**

- **Above operating costs** $135.12 $135.12
- **Above total listed costs** $74.95 $74.95

**Breakeven Table - Corn Grain**

<table>
<thead>
<tr>
<th>Selling Price ($/Bu)</th>
<th>Selling Price ($/Bu)</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.87</td>
<td>$2.37</td>
</tr>
<tr>
<td>$2.87</td>
<td>$3.37</td>
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<tr>
<td>$3.87</td>
<td>$4.87</td>
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</table>

<table>
<thead>
<tr>
<th>Yield (Bu/Ac)</th>
<th>$1.87</th>
<th>$2.37</th>
<th>$2.87</th>
<th>$3.37</th>
<th>$3.87</th>
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<tbody>
<tr>
<td>154.7</td>
<td>-61.74</td>
<td>$15.61</td>
<td>$92.96</td>
<td>$170.31</td>
<td>$247.66</td>
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<td>159.7</td>
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<td>164.7</td>
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<tr>
<td>169.7</td>
<td>-34.58</td>
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<td>174.7</td>
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<td>-7.42</td>
<td>$84.93</td>
<td>$177.28</td>
<td>$269.63</td>
<td>$361.98</td>
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</tbody>
</table>

**Assumptions**

1. Grain planted in late April and harvested in October.
2. Interest computed on land preparation and planting costs for 6 months and cultivation/fertilization/herbicide/irrigation costs for 3 months.
3. Machinery operating costs include: fuel, oil, repairs and labor.
4. Machinery ownership costs are allocated based on equipment used for each crop.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.

Budget prepared by: E. Bruce Godfrey, Cody Bingham, Mike Pace and Lyle Holmgren