## Costs and Returns per acre from growing corn for grain, 2006

### Cache 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>170.0</td>
<td>bushels</td>
<td>$3.00</td>
<td>$510.00</td>
<td>$510.00</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></td>
<td>$510.00</td>
<td>$510.00</td>
</tr>
</tbody>
</table>

### Operating costs

#### Land preparation
- Plowing (every 3rd year): 1/3 acre, $5.88, $1.96, $1.96
- Discing w/ packer: 2 acres, $3.73, $7.47, $7.47
- Land plane: 2 acres, $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

#### Pesticides/herbicides
- Lasso: 3.00 quart, $6.50, $19.50, $19.50
- Phorate: 6.75 pounds, $2.40, $16.20, $16.20
- 2-4-D: 2.50 pints, $2.75, $6.87, $6.87
- Custom application: 1 acre, $7.82, $7.82, $7.82

#### Irrigation (siphon)
- 5 irrigations

#### Labor
- 1.67 hours, $10.00, $16.67, $16.67

#### Water assessment
- 1 share, $10.00, $10.00, $10.00

#### Repairs/maintenance
- 1 acre, $2.30, $2.30, $2.30

#### Pumping
- 27 acre inch, $0.00, $0.00, $0.00

#### Harvesting
- Custom combine: 1 acre, $35.00, $35.00, $30.00
- Haul grain (custom): 170.0 bushel, $0.08, $13.60, $9.50
- Interest on operating capital: 7.61%, $6.76, $6.76

| **Subtotal**       |                   |       |                     |                     | $344.05    | $344.05    |

### Ownership costs (excludes cost of land)
- Farm insurance: 1 acre, $2.00, $2.00, $2.00
- Machinery ownership costs: 1 acre, $61.52, $61.52
- Irrigation equipment costs: 1 acre, $8.25, $8.25

| **Total costs**    |                   |       |                     |                     | $415.82    | $415.82    |

Net returns to owner for unpaid labor, management, equity and risk
- Above operating costs: $165.95
- Above total listed costs: $94.18

### Breakeven Table - Corn Grain

#### Net returns per acre above operating costs

<table>
<thead>
<tr>
<th>Selling Price ($/Bu)</th>
<th>Yield (Bu/Ac)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$2.00</td>
</tr>
<tr>
<td>155.00</td>
<td>-32.85</td>
</tr>
<tr>
<td>160.00</td>
<td>-23.25</td>
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<tr>
<td>165.00</td>
<td>-13.65</td>
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<tr>
<td>170.00</td>
<td>-4.05</td>
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<tr>
<td>175.00</td>
<td>5.55</td>
</tr>
<tr>
<td>180.00</td>
<td>15.15</td>
</tr>
<tr>
<td>185.00</td>
<td>24.75</td>
</tr>
</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 equally distributed over the entire farm.
5. Machinery ownership costs include depreciation, interest, insurance, and housing.

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