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

### Millard County - Delta

<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>148.8</td>
<td>bushels</td>
<td>$2.87</td>
<td>$427.16</td>
<td>$427.16</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>$427.16</td>
<td></td>
</tr>
</tbody>
</table>

### Operating costs

#### Land preparation
- Discing
  - 2 acre
  - $3.73
- Land plane
  - 1 acre
  - $3.34
- Planting
  - 1 acre
  - $5.28
- Seed (Roundup Ready)
  - 0.5 bags
  - $90.00
- Cultivation
  - first
    - 1 acre
    - $2.94
  - second
    - 1 acre
    - $2.94
- Fertilization
  - Nitrogen (34-0-0)
    - 550 pounds
    - $0.18
  - Phosphate (11-52-0)
    - 100 pounds
    - $0.18
  - Custom application
    - 1 acre
    - $7.82
- Pesticides/herbicides
  - Roundup Ultra Max
    - 2.00 quart
    - $6.32
  - Distinct
    - 6 irrigations
    - $2.82
  - Dual II Magnum
    - 1 pint
    - $15.10
  - Custom application
    - 1 acre
    - $7.82
- Irrigation (flood)
  - 6 irrigations
  - $10.00
- Labor
  - 1 share
  - $20.00
- Repairs/maintenance
  - 1 acre
  - $2.30
- Pumping
  - 36 acre inch
  - $0.00
- Harvesting
  - Custom combine
    - 1 acre
    - $30.00
  - Haul grain (custom)
    - 148.8 bushel
    - $0.06
  - Crop insurance (75% Yield, 100% Price)
    - 1 acre
    - $8.81
  - Interest on operating capital
    - 7.61%
    - $5.99
| **Subtotal** | | | | $307.31 | $307.31 | |

#### Ownership costs (excludes cost of land)
- Farm insurance
  - 1 acre
  - $2.00
- Machinery ownership costs
  - 1 acre
  - $29.67
- Irrigation equipment costs
  - 1 acre
  - $8.25

| **Total costs** | | | | $347.23 | $347.23 | |

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

- Above operating costs
  - $119.84
- Above total listed costs
  - $79.93

## Breakeven Table - Corn Grain

### Net returns per acre above operating costs

<table>
<thead>
<tr>
<th>Yield (Bu/Ac)</th>
<th>Selling Price ($/Bu)</th>
<th>$1.87</th>
<th>$2.37</th>
<th>$2.87</th>
<th>$3.37</th>
<th>$3.87</th>
</tr>
</thead>
<tbody>
<tr>
<td>133.80</td>
<td>$86.12</td>
<td>$10.76</td>
<td>$77.68</td>
<td>$144.58</td>
<td>$211.49</td>
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</tr>
<tr>
<td>138.80</td>
<td>$47.06</td>
<td>$22.34</td>
<td>$91.74</td>
<td>$161.14</td>
<td>$230.54</td>
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<tr>
<td>143.80</td>
<td>$38.01</td>
<td>$33.89</td>
<td>$105.79</td>
<td>$177.69</td>
<td>$249.59</td>
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</tr>
<tr>
<td>148.80</td>
<td>$28.96</td>
<td>$45.44</td>
<td>$119.84</td>
<td>$194.24</td>
<td>$268.64</td>
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</tr>
<tr>
<td>153.80</td>
<td>$19.90</td>
<td>$57.00</td>
<td>$133.90</td>
<td>$210.80</td>
<td>$287.70</td>
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</tr>
<tr>
<td>158.80</td>
<td>$10.85</td>
<td>$68.55</td>
<td>$147.95</td>
<td>$227.35</td>
<td>$306.75</td>
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</tr>
<tr>
<td>163.80</td>
<td>$1.80</td>
<td>$80.10</td>
<td>$162.00</td>
<td>$243.90</td>
<td>$325.80</td>
<td></td>
</tr>
</tbody>
</table>

### Assumptions
1. Corn planted in late April and harvested in October.
2. Interest computed on land preparation and planting costs for 6 months and cultivation, fertilization, herbicide, and 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 and Craig Poulson