## Costs and Returns per acre from growing barley, 2006
### Wayne 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>Barley</td>
<td>83.0</td>
<td>bushels</td>
<td>$2.27</td>
<td>$188.08</td>
<td>$188.08</td>
<td>$188.08</td>
</tr>
<tr>
<td>Straw</td>
<td>0.90</td>
<td>tons</td>
<td>$43.00</td>
<td>$38.70</td>
<td>$38.70</td>
<td>$38.70</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td></td>
<td>$226.78</td>
<td>$226.78</td>
<td>$226.78</td>
</tr>
</tbody>
</table>

### Operating costs

#### Land preparation
- Plowing: 1 acre, $5.88
- Discing w/ harrow: 2 acres, $3.73
- Planting: 1 acre, $2.96
- Seed: 100 pounds, $0.17
- Fertilization: Nitrogen (34-0-0), 278 pounds, $0.18
- Phosphate (11-52-0), 48 pounds, $0.18

#### Pesticides/herbicides
- 2-4-D: 1.25 pint, $2.75
- Puma: 0.67 pint, $25.00
- Custom application: 1 acre, $7.82
- Irrigation (wheel line): 4 irrigations
- Labor: 1.33 hours, $10.00
- Water assessment: 1 share, $10.00
- Repairs/maintenance: 1 acre, $2.30
- Pumping: 24 acre inch, $0.00

#### Harvesting
- Custom combine: 1 acre, $26.00
- Haul grain (custom): 83.0 bushel, $0.06
- Baling: 0.90 tons, $4.79
- Haul/stack straw: 0.90 tons, $3.63
- Crop insurance (75% Yield, 100% Price): 1 acre, $6.41
- Interest on operating capital: 7.61%, $3.54

#### Ownership costs (excludes cost of land)
- Farm insurance: 1 acre, $2.00
- Machinery ownership costs: 1 acre, $131.67
- Irrigation equipment costs: 1 acre, $8.25

#### Subtotal
- $201.48

### Ownership costs (excludes cost of land)
- $141.92
- $141.92

### Net returns to owner for unpaid labor, management, equity and risk
- Above operating costs: $25.30
- Above total listed costs: -$116.75

## Breakeven Table - Barley

<table>
<thead>
<tr>
<th>Yield (Bu/Ac)</th>
<th>Selling Price ($/Bu)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$1.27</td>
</tr>
<tr>
<td>68.00</td>
<td>$-75.79</td>
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<tr>
<td>73.00</td>
<td>$-69.76</td>
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<td>$-57.70</td>
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<td>88.00</td>
<td>$-51.67</td>
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<tr>
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<td>$-45.64</td>
</tr>
<tr>
<td>98.00</td>
<td>$-39.61</td>
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</tbody>
</table>

### Assumptions
1. Grain planted in mid April and harvested in early August.
2. Interest computed on land preparation and planting costs for 6 months and fertilization/herbicides/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.

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