## Costs and Returns per acre from growing barley, 2006
### Eastern Iron 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>80.0</td>
<td>bushels</td>
<td>$2.27</td>
<td>$181.28</td>
<td>$181.28</td>
<td>$181.28</td>
</tr>
<tr>
<td>Straw</td>
<td>0.50</td>
<td>tons</td>
<td>$43.00</td>
<td>$21.50</td>
<td>$21.50</td>
<td>$21.50</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$202.78</td>
<td>$202.78</td>
</tr>
</tbody>
</table>

### Operating costs

**Land preparation**
- Plowing: 1 acre, $5.88
- Discing: 1 acre, $3.73
- Land plane: 2 acres, $6.96
- Seed: 100 pounds, $0.17

**Fertilization**
- Nitrogen (34-0-0): 275 pounds, $0.18
- Phosphate (11-52-0): 58 pounds, $0.18

**Pesticides/herbicides**
- 2-4-D: 1.25 pounds, $2.75
- Puma: 0.67 pint, $25.00
- Custom application: 1 acre, $7.82

**Irrigation (wheel line)**
- Labor: 0.67 hours, $10.00

**Repairs/maintenance**
- Custom combine: 1 acre, $2.30

**Pumping**
- 27 acre inches, $0.00

**Harvesting**
- Custom combine: 1 acre, $26.00
- Haul grain (custom): 80.0 bushels, $0.06
- Baling: 0.50 tons, $4.79
- Haul/stack straw: 0.50 tons, $3.63
- Crop insurance (75% Yield, 100% Price): 1 acre, $8.22
- Interest on operating capital: 7.61%, $3.36

**Subtotal**
- $187.09 $188.66

### Ownership costs (excludes cost of land)
- Farm insurance: 1 acre, $2.00
- Machinery ownership costs: 1 acre, $62.52
- Irrigation equipment costs: 1 acre, $8.25

**Total costs**
- $259.87 $261.43

### Net returns to owner for unpaid labor, management, equity and risk
- Above operating costs: $15.69
- Above total listed costs: $14.12

## Breakeven Table - Barley

<table>
<thead>
<tr>
<th>Selling Price ($/Bu)</th>
<th>Base Value</th>
<th>Your Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.27</td>
<td>$1.77</td>
<td>$2.27</td>
</tr>
<tr>
<td>65.00</td>
<td>-$82.40</td>
<td>-$17.40</td>
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<tr>
<td>70.00</td>
<td>-$76.37</td>
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<tr>
<td>75.00</td>
<td>-$70.34</td>
<td>-$32.84</td>
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<tr>
<td>80.00</td>
<td>-$64.31</td>
<td>-$24.31</td>
</tr>
<tr>
<td>85.00</td>
<td>-$58.28</td>
<td>-$15.78</td>
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<td>90.00</td>
<td>-$52.25</td>
<td>-$7.25</td>
</tr>
<tr>
<td>95.00</td>
<td>-$46.22</td>
<td>$1.28</td>
</tr>
</tbody>
</table>

### Assumptions
1. Grain planted in late March 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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