## Costs and Returns per acre from growing oats, 2006

### Utah 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>Oats</td>
<td>96.7</td>
<td>bushels</td>
<td>$2.13</td>
<td>$206.29</td>
<td>$206.29</td>
<td></td>
</tr>
<tr>
<td>Straw</td>
<td>0.70</td>
<td>tons</td>
<td>$43.00</td>
<td>$30.10</td>
<td>$30.10</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td></td>
<td>$236.39</td>
<td>$236.39</td>
<td></td>
</tr>
</tbody>
</table>

### Operating costs

- **Land preparation**
  - Plowing: 1 acre, $5.88, $5.88, $5.88
  - Discing: 1 acre, $3.73, $3.73, $3.73
  - Land plane: 1 acre, $3.34, $3.34, $3.34
  - Roller harrow: 2 acre, $3.64, $7.28, $7.28
- **Planting**:
  - 1 acre, $2.96, $2.96, $2.96
- **Seed**:
  - 80 pounds, $0.17, $13.60, $13.60
- **Fertilization**
  - Nitrogen (34-0-0): 205 pounds, $0.18, $36.59, $36.59
  - Phosphate (11-52-0): 48 pounds, $0.18, $8.57, $8.57
- **Custom application**:
  - 1 acre, $7.82, $7.82, $7.82
- **Pesticides/herbicides**
  - 2-4-D: 2.33 pints, $2.75, $6.41, $6.41
  - Custom application: 1 acre, $7.82, $7.82, $7.82
- **Irrigation (wheel line)**
  - 0.67 hours, $10.00, $6.67, $6.67
- **Labor**
  - 1 share, $10.00, $10.00, $10.00
- **Repairs/maintenance**
  - 1 acre, $2.30, $2.30, $2.30
- **Pumping**
  - 24 acre inch, $0.00, $0.00, $0.00
- **Harvesting**
  - Combining: 1 acre, $26.00, $26.00, $26.00
  - Haul grain (custom): 96.7 bushel, $0.06, $5.80, $5.80
  - Baling: 0.70 tons, $4.79, $3.35, $3.35
  - Haul/stack straw: 0.70 tons, $3.63, $2.54, $2.54
- **Crop insurance (75% Yield, 100% Price)**
  - 1 acre, $4.81, $4.81, $4.81
- **Interest on operating capital**
  - 7.61%, $3.97, $3.97, $3.97

**Subtotal**: $169.46, $170.30

### Ownership costs (excludes cost of land)
- Insurance: 1 acre, $2.00, $2.00, $2.00
- Machinery ownership costs: 1 acre, $95.15, $95.15, $95.15
- Irrigation equipment costs: 1 acre, $8.25, $8.25, $8.25

**Total costs**: $274.86, $275.71

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

- Above operating costs: $66.94, $66.09
- Above total costs: -$38.46, -$39.31

### Breakeven Table - Oats

<table>
<thead>
<tr>
<th>Selling Price ($/Bu)</th>
<th>$1.13</th>
<th>$1.63</th>
<th>$2.13</th>
<th>$2.63</th>
<th>$3.13</th>
</tr>
</thead>
<tbody>
<tr>
<td>81.70</td>
<td>-$45.86</td>
<td>-$5.01</td>
<td>$35.84</td>
<td>$76.69</td>
<td>$117.54</td>
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<tr>
<td>86.70</td>
<td>-$40.50</td>
<td>$2.85</td>
<td>$46.20</td>
<td>$89.55</td>
<td>$132.90</td>
</tr>
<tr>
<td>91.70</td>
<td>-$35.13</td>
<td>$10.72</td>
<td>$56.57</td>
<td>$102.42</td>
<td>$148.27</td>
</tr>
<tr>
<td>96.70</td>
<td>-$29.76</td>
<td>$18.59</td>
<td>$66.94</td>
<td>$115.29</td>
<td>$163.64</td>
</tr>
<tr>
<td>101.70</td>
<td>-$24.40</td>
<td>$26.45</td>
<td>$77.30</td>
<td>$128.15</td>
<td>$179.00</td>
</tr>
<tr>
<td>106.70</td>
<td>-$19.03</td>
<td>$34.32</td>
<td>$87.67</td>
<td>$141.02</td>
<td>$194.37</td>
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<tr>
<td>111.70</td>
<td>-$13.66</td>
<td>$42.19</td>
<td>$98.04</td>
<td>$153.89</td>
<td>$209.74</td>
</tr>
</tbody>
</table>

**Assumptions**

1. Grain planted in late March and harvested in July.
2. Interest computed on land preparation and planting costs for 10 months and 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.

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