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

**Duchesne 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>89.7</td>
<td>bushels</td>
<td>$2.13</td>
<td>$191.36</td>
<td>$191.36</td>
<td></td>
</tr>
<tr>
<td>Straw</td>
<td>0.80</td>
<td>tons</td>
<td>$43.00</td>
<td>$34.40</td>
<td>$34.40</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td></td>
<td>$225.76</td>
<td>$225.76</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: 2 acres, $6.69, $6.69, $6.69
  - Roller harrow: 2 acres, $7.28, $7.28, $7.28
- **Planting**: 1 acre, $2.96, $2.96, $2.96
- **Seed**: 70 pounds, $0.17, $11.90, $11.90
- **Fertilization**
  - Nitrogen (34-0-0): 221 pounds, $0.18, $39.45, $39.45
  - Phosphate: - pounds, $0.18, $0.00, $0.00
  - Custom application: 1 acre, $7.82, $7.82, $7.82
- **Pesticides/herbicides**
  - 2-4-D: 1.25 pint, $2.75, $3.44, $3.44
  - 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**: 26 acre inch, $0.00, $0.00, $0.00
- **Harvesting**
  - Combining: 1 acre, $26.00, $26.00, $26.00
  - Haul grain (custom): 89.7 bushel, $0.06, $5.38, $5.38
  - Baling: 0.80 tons, $4.79, $3.83, $3.83
  - Haul/stack straw: 0.80 tons, $3.63, $2.90, $2.90
- **Crop insurance (75% Yield, 100% Price)**
  - 1 acre, $4.49, $4.49, $4.49
- **Interest on operating capital**: 7.61%, $3.91, $3.91, $3.91

**Subtotal**

$162.46, $162.95

**Ownership costs (excludes cost of land)**

- Farm insurance: 1 acre, $2.00, $2.00, $2.00
- Machinery ownership costs: 1 acre, $107.94, $107.94, $107.94
- Irrigation equipment costs: 1 acre, $8.25, $8.25, $8.25

**Total costs**

$280.65, $281.14

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

- Above operating costs: $63.30, $62.81
- Above total listed costs: -$54.89, -$55.38

### 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><strong>74.70</strong></td>
<td>-$42.50</td>
<td>-$5.15</td>
<td>$32.20</td>
<td>$69.35</td>
<td>$106.90</td>
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<tr>
<td><strong>79.70</strong></td>
<td>-$37.13</td>
<td>$2.72</td>
<td>$42.57</td>
<td>$82.42</td>
<td>$122.27</td>
</tr>
<tr>
<td><strong>84.70</strong></td>
<td>-$31.76</td>
<td>$10.59</td>
<td>$52.94</td>
<td>$95.29</td>
<td>$137.64</td>
</tr>
<tr>
<td><strong>89.70</strong></td>
<td>-$26.40</td>
<td>$18.45</td>
<td>$63.30</td>
<td>$108.15</td>
<td>$153.00</td>
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<tr>
<td><strong>94.70</strong></td>
<td>-$21.03</td>
<td>$26.32</td>
<td>$73.67</td>
<td>$121.02</td>
<td>$168.37</td>
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<tr>
<td><strong>99.70</strong></td>
<td>-$15.66</td>
<td>$34.19</td>
<td>$84.04</td>
<td>$133.89</td>
<td>$183.74</td>
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<tr>
<td><strong>104.70</strong></td>
<td>-$10.30</td>
<td>$42.05</td>
<td>$94.40</td>
<td>$146.75</td>
<td>$199.10</td>
</tr>
</tbody>
</table>

**Assumptions**

1. Grain planted in 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.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and Troy Cooper