## Costs and Returns per acre from growing oats, 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>Oats</td>
<td>92.5</td>
<td>bushels</td>
<td>$2.13</td>
<td>$197.33</td>
<td>$197.33</td>
<td></td>
</tr>
<tr>
<td>Straw</td>
<td>0.75</td>
<td>tons</td>
<td>$43.00</td>
<td>$32.25</td>
<td>$32.25</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td></td>
<td>$229.58</td>
<td>$229.58</td>
<td></td>
</tr>
</tbody>
</table>

### Operating costs

- **Land preparation**
  - Ripping: 1 acre at $5.88 = $5.88
  - Discing: 2 acres at $3.73 = $7.47
  - Land plane: 1 acre at $3.34 = $3.34
- **Planting**: 1 acre at $2.96 = $2.96
- **Seed**
  - 80 pounds at $0.17 = $13.60
- **Fertilization**
  - Nitrogen (34-0-0): 205 pounds at $0.18 = $36.95
  - Phosphate (11-52-0): 48 pounds at $0.18 = $8.57
- **Custom application**
  - Land preparation: 1 acre at $7.82 = $7.82
  - Fertilization: 205 pounds at $0.18 = $36.95
- **Pesticides/herbicides**
  - 2-4-D: 1 acre at $2.75 = $2.75
  - Custom application: 2 irrigations at $7.82 = $0.00
- **Irrigation (flood)**
  - Labor: 0.67 hours at $10.00 = $6.67
  - Water assessment: 1 share at $20.00 = $20.00
- **Repairs/maintenance**
  - 1 acre at $2.30 = $2.30
- **Pumping**
  - 22 hours at $10.00 = $200.00
- **Harvesting**
  - Combining: 1 acre at $26.00 = $26.00
  - Haul grain (custom): 92.5 bushels at $0.06 = $5.55
- **Harvesting straw**
  - Swathing: 1 acre at $4.03 = $4.03
  - Baling: 0.75 tons at $4.79 = $3.59
  - Haul/stack straw: 0.75 tons at $3.63 = $2.72
- **Crop insurance (75% Yield, 100% Price)**
  - 1 acre at $5.12 = $5.12
- **Interest on operating capital**
  - 7.61% at $2.40 = $2.40

**Subtotal**

- $164.63

### Ownership costs (excludes cost of land)

- Farm insurance: 1 acre at $2.00 = $2.00
- Machinery ownership costs: 1 acre at $64.15 = $64.15
- **Total costs**
  - $239.03

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

- Above operating costs: $64.96
- Above total listed costs: $75.30

**Breakeven Table - Oats**

<table>
<thead>
<tr>
<th>Yield (Bu/Ac)</th>
<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>77.50</td>
<td>-$43.64</td>
<td>-$4.89</td>
<td>$33.86</td>
<td>$72.61</td>
<td>$111.36</td>
<td></td>
</tr>
<tr>
<td>82.50</td>
<td>-$38.28</td>
<td>$2.97</td>
<td>$44.22</td>
<td>$85.47</td>
<td>$126.72</td>
<td></td>
</tr>
<tr>
<td>87.50</td>
<td>-$32.91</td>
<td>$10.84</td>
<td>$54.59</td>
<td>$98.34</td>
<td>$142.09</td>
<td></td>
</tr>
<tr>
<td>92.50</td>
<td>-$27.54</td>
<td>$18.71</td>
<td>$64.96</td>
<td>$111.21</td>
<td>$157.46</td>
<td></td>
</tr>
<tr>
<td>97.50</td>
<td>-$22.18</td>
<td>$26.57</td>
<td>$75.32</td>
<td>$124.07</td>
<td>$172.82</td>
<td></td>
</tr>
<tr>
<td>102.50</td>
<td>-$16.81</td>
<td>$34.44</td>
<td>$85.69</td>
<td>$136.94</td>
<td>$188.19</td>
<td></td>
</tr>
<tr>
<td>107.50</td>
<td>-$11.44</td>
<td>$42.31</td>
<td>$96.06</td>
<td>$149.81</td>
<td>$203.56</td>
<td></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 4 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 Craig Poulson