# Costs and Returns per acre from growing oats, 2006

## Salt Lake County

<table>
<thead>
<tr>
<th>Receipts</th>
<th>Quantity per acre</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>87.7 bushels</td>
<td>$2.13</td>
<td>$186.80</td>
<td>$186.80</td>
<td></td>
</tr>
<tr>
<td>Straw</td>
<td>0.75 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>$219.05</td>
<td>$219.05</td>
<td></td>
</tr>
</tbody>
</table>

## Operating costs

### Land preparation
- Plowing: 1 acre | $22.78 | $22.78 | $22.78
- Discing: 1 acre | $11.56 | $11.56 | $11.56
- Land plane: 1 acre | $11.50 | $11.50 | $11.50
- Roller harrow: 2 acre | $14.33 | $28.66 | $28.66
- **Planting**: 1 acre | $12.21 | $12.21 | $12.21
- **Seed**: 70 pounds | $0.17 | $11.90 | $11.90

### 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: 1.25 pints | $2.75 | $3.44 | $3.44
- Custom application: 1 acre | $7.82 | $7.82 | $7.82

### Irrigation (wheel line)
- Labor: 0.67 hours | $10.00 | $6.67 | $6.67
- Water assessment: 1 share | $15.00 | $15.00 | $15.00
- Repairs/maintenance: 1 acre | $2.30 | $2.30 | $2.30

### Harvesting
- Combining (custom): 1 acre | $26.00 | $26.00 | $26.00
- Haul grain (custom): 87.7 bushel | $0.06 | $5.26 | $5.26
- Baling: 0.75 tons | $4.79 | $3.59 | $3.59
- Haul/stack straw: 0.75 tons | $3.63 | $2.72 | $2.72
- **Interest on operating capital**: 7.61% | $7.93 | $7.93 | $7.93

### Ownership costs (excludes cost of land)
- Farm insurance: 1 acre | $2.00 | $2.00 | $2.00
- Machinery ownership costs: 1 acre | $63.70 | $63.70 | $63.70
- Irrigation equipment costs: 1 acre | $8.25 | $8.25 | $8.25

### Total costs
- **Subtotal**: $232.32 | $243.29
- **Ownership costs (excludes cost of land)**: $73.95 | $73.95
- **Farm insurance**: $2.00 | $2.00 | $2.00
- **Machinery ownership costs**: $63.70 | $63.70 | $63.70
- **Irrigation equipment costs**: $8.25 | $8.25 | $8.25
- **Total costs**: $306.27 | $317.24

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

- Above operating costs: -$13.27 | -$24.24
- Above total costs: -$87.22 | -$98.19

### 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>72.70</td>
<td>-$117.02</td>
<td>-$80.67</td>
<td>-$44.32</td>
<td>-$7.97</td>
<td>$28.38</td>
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</tr>
<tr>
<td>77.70</td>
<td>-$111.67</td>
<td>-$72.82</td>
<td>-$33.97</td>
<td>$4.88</td>
<td>$43.73</td>
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</tr>
<tr>
<td>82.70</td>
<td>-$106.32</td>
<td>-$64.97</td>
<td>-$23.62</td>
<td>$17.73</td>
<td>$59.08</td>
<td></td>
</tr>
<tr>
<td>87.70</td>
<td>-$100.97</td>
<td>-$57.12</td>
<td>-$13.27</td>
<td>$30.58</td>
<td>$74.43</td>
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</tr>
<tr>
<td>92.70</td>
<td>-$95.62</td>
<td>-$49.27</td>
<td>-$2.92</td>
<td>$43.43</td>
<td>$89.78</td>
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</tr>
<tr>
<td>97.70</td>
<td>-$90.27</td>
<td>-$41.42</td>
<td>$7.43</td>
<td>$56.28</td>
<td>$105.13</td>
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</tr>
<tr>
<td>102.70</td>
<td>-$84.92</td>
<td>-$33.57</td>
<td>$17.78</td>
<td>$69.13</td>
<td>$120.48</td>
<td></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. Custom rates for all field operations.
4. Only owned machinery are a loader and truck.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and Earl Jackson