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

### Uintah County

### Receipts

<table>
<thead>
<tr>
<th>Item</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>79.5</td>
<td>bushels</td>
<td>$2.13</td>
<td>$169.60</td>
<td>$169.60</td>
<td>$169.60</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>$34.40</td>
</tr>
<tr>
<td>Residue</td>
<td>1.00</td>
<td>AUM</td>
<td>$11.53</td>
<td>$11.53</td>
<td>$11.53</td>
<td>$11.53</td>
</tr>
</tbody>
</table>

**Subtotal**

|                      |                  |          |                    | $215.53  | $215.53  |   |

### Operating costs

#### Land preparation

- Plowing: 1 acre $5.88 $5.88 $5.88
- Discing: 1 acre $3.73 $3.73 $3.73
- Field cultivator: 1 acre $3.64 $3.64 $3.64
- Land plane: 1 acre $3.34 $3.34 $3.34
- Planting: 1 acre $2.96 $2.96 $2.96
- Seed: 70 pounds $0.17 $11.90 $11.90

#### Fertilization

- Nitrogen: - pounds $0.18 $0.00 $0.00
- Phosphate: - pounds $0.18 $0.00 $0.00
- Custom application: - acre $7.82 $0.00 $0.00

#### 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): 5 irrigations
  - Labor: 1.67 hours $10.00 $16.67 $16.67
  - Water assessment: 1 share $10.00 $10.00 $10.00
  - Repairs/maintenance: 1 acre $2.30 $2.30 $2.30
- Pumping: 28 acre inch $0.00 $0.00 $0.00

#### Harvesting

- Combining: 1 acre $26.00 $26.00 $26.00
- Haul grain (custom): 79.5 bushel $0.06 $4.77 $4.77
- 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 $4.52 $4.52 $4.52
- Interest on operating capital: 7.61% $1.96 $1.96

**Subtotal**

|                      |                  |          |                    | $115.68  | $116.17  |   |

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

- Insurance: 1 acre $2.00 $2.00 $2.00
- Machinery ownership costs: 1 acre $122.96 $122.96 $122.96
- Irrigation equipment costs: 1 acre $8.25 $8.25 $8.25

**Total costs**

|                      |                  |          |                    | $248.88  | $249.38  |   |

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

- Above operating costs: $99.86 $99.37
- Above total listed costs: -$33.35 -$33.84

## Breakeven Table - Oats

### Net returns per acre above operating costs

<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>64.50</td>
<td>$4.26</td>
<td>$38.51</td>
<td>$68.76</td>
<td>$101.01</td>
<td>$133.26</td>
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</tr>
<tr>
<td>69.50</td>
<td>$9.62</td>
<td>$44.37</td>
<td>$79.12</td>
<td>$113.87</td>
<td>$148.62</td>
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</tr>
<tr>
<td>74.50</td>
<td>$14.99</td>
<td>$52.24</td>
<td>$89.49</td>
<td>$126.74</td>
<td>$163.99</td>
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</tr>
<tr>
<td>79.50</td>
<td>$20.36</td>
<td>$60.11</td>
<td>$99.86</td>
<td>$139.61</td>
<td>$179.36</td>
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</tr>
<tr>
<td>84.50</td>
<td>$25.72</td>
<td>$67.97</td>
<td>$110.22</td>
<td>$152.47</td>
<td>$194.72</td>
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</tr>
<tr>
<td>89.50</td>
<td>$31.09</td>
<td>$75.84</td>
<td>$120.59</td>
<td>$165.34</td>
<td>$210.09</td>
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</tr>
<tr>
<td>94.50</td>
<td>$36.46</td>
<td>$83.71</td>
<td>$130.96</td>
<td>$178.21</td>
<td>$225.46</td>
<td></td>
</tr>
</tbody>
</table>

### Assumptions

1. Grain planted in late March and harvested in August.
2. Interest computed on land preparation and planting costs for 6 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 Boyd Kitchen