### Costs and Returns per Acre from Growing Oat Hay, 2006

**Washington 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>Oat hay</td>
<td>2.3</td>
<td>tons</td>
<td>$67.67</td>
<td>$155.63</td>
<td>$155.63</td>
<td></td>
</tr>
<tr>
<td>Residue</td>
<td>-</td>
<td>AUM</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
<td></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td></td>
<td>$155.63</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Operating Costs**

Land preparation
- Plowing: 1 acre, $22.78
- Discing: 1 acre, $11.56
- Roller harrow: 2 acre, $14.33
- Planting: 1 acre, $12.21
- Seed: 90 pounds, $0.17

Fertilization
- Nitrogen (34-0-0): 249 pounds, $0.18
- Phosphate (11-52-0): 48 pounds, $0.18

Custom application
- 1 acre, $7.82

Pesticides/herbicides
- 2-4-D: 1.25 pint, $2.75
- Custom application: 1 acre, $7.82

Irrigation (wheel line)
- Labor: 0.67 hours, $10.00
- Water assessment: 1 share, $10.00
- Repairs/maintenance: 1 acre, $2.30
- Pumping: 22 acre inch, $0.00

Harvesting
- Swathing: 1 acre, $15.56
- Turning: 1 acre, $4.69
- Baling: 2.30 tons, $4.79
- Hauling/stacking: 2.30 tons, $3.63

Interest on operating capital:
- 7.61%, $7.47

**Subtotal**

Ownership costs (excludes cost of land)
- Insurance: 1 acre, $2.00
- Machinery ownership costs: 1 acre, $34.12
- Irrigation equipment costs: 1 acre, $8.25

**Total Costs**

Net returns to owner for unpaid labor, management, equity and risk
- Above operating costs: -$73.02
- Above total listed costs: -$117.39

## Break-even Table - Oat Hay

<table>
<thead>
<tr>
<th>Yield (Ton/Ac)</th>
<th>Selling Price ($/ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$57.67</td>
</tr>
<tr>
<td>0.80</td>
<td>-$169.89</td>
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<tr>
<td>1.30</td>
<td>-$145.27</td>
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<tr>
<td>1.80</td>
<td>-$120.65</td>
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<tr>
<td>2.30</td>
<td>-$96.02</td>
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<td>3.30</td>
<td>-$46.78</td>
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<tr>
<td>3.80</td>
<td>-$22.15</td>
</tr>
</tbody>
</table>

### Assumptions
1. Oat hay 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. Custom rates for all field operations.
4. Only owned machinery are a loader and truck.

Budget prepared by: E. Bruce Godfrey, Cody Bingham and Dean Miner