Costs and Returns per acre from growing oat hay, 2006
Utah 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>Oat hay</td>
<td>2.6</td>
<td>tons</td>
<td>$67.67</td>
<td>$175.93</td>
<td>$175.93</td>
<td>$175.93</td>
</tr>
<tr>
<td>Residue</td>
<td>-</td>
<td>AUM</td>
<td>$11.53</td>
<td>$0.00</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td></td>
<td></td>
<td></td>
<td>$175.93</td>
<td>$175.93</td>
<td>$175.93</td>
</tr>
</tbody>
</table>

Operating costs

Land preparation
- Plowing: 1 acre - $5.88
- Land plane: 1 acre - $3.34
- Roller harrow: 2 acre - $3.64
- Discing: 1 acre - $3.73
- Planting: 1 acre - $2.96
- Seed: 80 pounds - $0.17

Fertilization
- Nitrogen (34-0-0): 278 pounds - $0.18
- Phosphate (11-52-0): 48 pounds - $0.18
- Custom application: 1 acre - $7.82

Pesticides/herbicides
- 2-4-D: 2.33 pints - $2.75
- Custom application: 1 acre - $7.82

Irrigation (wheel line)
- Labor: 1.00 hours - $10.00
- Water assessment: 1 share - $10.00
- Repairs/maintenance: 1 acre - $2.30
- Pumping: 30 acre inch - $0.00

Harvesting
- Swathing: 1 acre - $4.03
- Turning/naking: 1 acre - $1.39
- Baling: 2.60 tons - $4.79
- Hauling/stacking: 2.60 tons - $3.63
- Interest on operating capital: 7.61% - $4.94

**Subtotal**: $171.60

Ownership costs (excludes cost of land)
- Insurance: 1 acre - $2.00
- Machinery ownership costs: 1 acre - $143.13
- Irrigation equipment costs: 1 acre - $8.25

**Total costs**: $324.98

Net returns to owner for unpaid labor, management, equity and risk
- Above operating costs: $4.33
- Above total costs: -$149.05

Breakeven Table - Oat Hay

<table>
<thead>
<tr>
<th>Yield (Ton/Ac)</th>
<th>$57.67</th>
<th>$62.67</th>
<th>$67.67</th>
<th>$72.67</th>
<th>$77.67</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.10</td>
<td>-$95.54</td>
<td>-$90.04</td>
<td>-$84.54</td>
<td>-$79.04</td>
<td>-$73.54</td>
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<tr>
<td>1.60</td>
<td>-$70.92</td>
<td>-$62.92</td>
<td>-$54.92</td>
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<tr>
<td>2.10</td>
<td>-$46.29</td>
<td>-$35.79</td>
<td>-$25.29</td>
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<tr>
<td>2.60</td>
<td>-$21.67</td>
<td>-$8.67</td>
<td>$4.33</td>
<td>$17.33</td>
<td>$30.33</td>
</tr>
<tr>
<td>3.10</td>
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<td>$18.45</td>
<td>$33.95</td>
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<tr>
<td>3.60</td>
<td>$27.58</td>
<td>$45.58</td>
<td>$63.58</td>
<td>$81.58</td>
<td>$99.58</td>
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<tr>
<td>4.10</td>
<td>$52.20</td>
<td>$72.70</td>
<td>$93.20</td>
<td>$113.70</td>
<td>$134.20</td>
</tr>
</tbody>
</table>

Assumptions
1. Oats planted in late September and harvested in July.
2. Interest computed on land preparation and planting costs for 10 months and fertilization/herbicide/irrigation costs for 4 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 Dean Miner