### Costs and Returns per acre from growing oat hay, 2006

**Wasatch 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>$155.63</td>
</tr>
<tr>
<td>Residue</td>
<td>-</td>
<td>AUM</td>
<td>$0.00</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></td>
<td>$155.63</td>
<td>$155.63</td>
</tr>
</tbody>
</table>

#### Operating costs

**Land preparation**
- Plowing: 1 acre, $22.78
- Discing w/ harrow: 1 acre, $11.56
- Land plane: 1 acre, $11.50
- Planting: 1 acre, $12.21
- Seed: 80 pounds, $0.17

**Fertilization**
- Nitrogen (34-0-0): 205 pounds, $0.18
- Phosphate (11-52-0): 48 pounds, $0.18
- Custom application:
  - acre, $7.82

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

**Irrigation (flood)**
- Labor: 0.67 hours, $10.00
- Water assessment: 1 share, $15.00
- Repairs/maintenance: 1 acre, $2.30
- Custom application:
  - acre, $7.82

**Harvesting**
- Swathing: 1 acre, $15.56
- Turning/raking: 1 acre, $4.69
- Baling: 2.30 tons, $4.79
- Hauling/stacking: 2.30 tons, $3.63
- Interest on operating capital: 7.61%, $0.00

| **Subtotal**      |                   |      |                      |                     | $186.69    | $217.53    |

**Ownership costs (excludes cost of land)**
- Insurance: 1 acre, $2.00
- Machinery ownership costs: 1 acre, $31.71
- Irrigation equipment costs: 1 acre, $8.25

| **Total costs**   |                   |      |                      |                     | $228.65    | $259.49    |

Net returns to owner for unpaid labor, management, equity and risk
- Above operating costs: $-31.06
- Above total listed costs: $-73.02

### Breakeven Table - Oat Hay

<table>
<thead>
<tr>
<th>Yield (Ton/Ac)</th>
<th>Selling Price ($/ton)</th>
<th>$57.67</th>
<th>$62.67</th>
<th>$67.67</th>
<th>$72.67</th>
<th>$77.67</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.80</td>
<td>$-127.93</td>
<td>$-123.93</td>
<td>$-119.93</td>
<td>$-115.93</td>
<td>$-111.93</td>
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<tr>
<td>1.30</td>
<td>$-103.30</td>
<td>$-96.80</td>
<td>$-90.30</td>
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<tr>
<td>1.80</td>
<td>$-78.68</td>
<td>$-69.68</td>
<td>$-60.68</td>
<td>$-51.68</td>
<td>$-42.68</td>
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</tr>
<tr>
<td>2.30</td>
<td>$-54.06</td>
<td>$-42.56</td>
<td>$-31.06</td>
<td>$-19.56</td>
<td>$-8.06</td>
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<tr>
<td>2.80</td>
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<td>$-15.43</td>
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<td>$12.57</td>
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<tr>
<td>3.30</td>
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<td>$11.69</td>
<td>$28.19</td>
<td>$44.69</td>
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</tr>
<tr>
<td>3.80</td>
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<td>$38.81</td>
<td>$57.81</td>
<td>$76.81</td>
<td>$95.81</td>
<td></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 4 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 Kristina Haymore