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

### North Sanpete 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>2.7</td>
<td>tons</td>
<td>$67.67</td>
<td>$182.70</td>
<td>$182.70</td>
<td>$182.70</td>
</tr>
</tbody>
</table>

### Operating costs

- **Land preparation**
  - Plowing: 1 acre, $5.88
  - Discing: 1 acre, $3.73
  - Roller harrow: 2 acres, $3.64
- **Planting**: 1 acre, $2.96
- **Seed**: 100 lb, $0.17
- **Fertilization**
  - Nitrogen (34-0-0): 220 lb, $0.18
  - Phosphate (11-52-0): 48 lb, $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: 6.67 hours, $10.00
  - Water assessment: 1 share, $2.20
  - Repairs/maintenance: 1 acre, $2.30
  - Pumping: 27 acre inch, $0.00
- **Harvesting**
  - Swathing: 1 acre, $4.03
  - Turning/raking: 1 acre, $1.39
  - Baling: 2.70 tons, $4.79
  - Hauling/stacking: 2.70 tons, $3.63
- **Interest on operating capital**: 7.61%, $4.32

### Ownership costs (excludes cost of land)

- Farm insurance: 1 acre, $2.00
- Machinery ownership costs: 1 acre, $124.82
- Irrigation equipment costs: 1 acre, $8.25

### Total costs

- $282.49
- $272.91

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

- Above operating costs: $35.28
- Above total listed costs: $44.86
- $99.79
- $90.21

### Breakeven Table - Oat Hay

<table>
<thead>
<tr>
<th>Yield (Ton/Ac)</th>
<th>Selling Price ($/ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$57.67</td>
</tr>
<tr>
<td>1.20</td>
<td>$-65.59</td>
</tr>
<tr>
<td>1.70</td>
<td>$-40.97</td>
</tr>
<tr>
<td>2.20</td>
<td>$-16.34</td>
</tr>
<tr>
<td>2.70</td>
<td>$8.28</td>
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<tr>
<td>3.20</td>
<td>$32.90</td>
</tr>
<tr>
<td>3.70</td>
<td>$57.53</td>
</tr>
<tr>
<td>4.20</td>
<td>$82.15</td>
</tr>
</tbody>
</table>

### Assumptions

1. Oat hay planted in April 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.

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