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

## Weber County

### Receipts

<table>
<thead>
<tr>
<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>3.0</td>
<td>tons</td>
<td>$75.00</td>
<td>$225.00</td>
<td>$225.00</td>
</tr>
</tbody>
</table>

### Operating costs

#### Land preparation
- Plowing: 1 acre, $5.88
- Roller harrow: 2 acres, $7.28
- Planting: 1 acre, $2.96
- Seed: 140 pounds, $0.17

#### Fertilization
- Nitrogen (34-0-0): 294 pounds, $0.18
- Phosphate (11-52-0): 38 pounds, $0.18
- Custom application: 1 acre, $7.82

#### Irrigation (flood)
- Labor: 0.67 hours, $10.00
- Water assessment: 1 share, $25.00
- Repairs/maintenance: 1 acre, $2.30
- Pumping: 24 acre inch, $0.00

#### Harvesting
- Swathing: 1 acre, $4.03
- Turning/raking: 1 acre, $1.39
- Baling: 3.00 tons, $4.79
- Hauling/stacking: 3.00 tons, $3.63

#### Ownership costs (excludes cost of land)
- Farm insurance: 1 acre, $200.00
- Machinery ownership costs: 1 acre, $213.54
- Irrigation equipment costs: 1 acre, $8.25

### Total costs

$399.91

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

**Above operating costs**
- $48.89

**Above total listed costs**
- $174.91

## Breakeven Table - Oat Hay

<table>
<thead>
<tr>
<th>Yield (Ton/Ac)</th>
<th>Selling Price ($/ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$65.00</td>
</tr>
<tr>
<td>1.50</td>
<td>$65.96</td>
</tr>
<tr>
<td>2.00</td>
<td>$37.69</td>
</tr>
<tr>
<td>2.50</td>
<td>$9.40</td>
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<tr>
<td>3.00</td>
<td>$18.89</td>
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<tr>
<td>3.50</td>
<td>$47.18</td>
</tr>
<tr>
<td>4.00</td>
<td>$75.47</td>
</tr>
<tr>
<td>4.50</td>
<td>$103.76</td>
</tr>
</tbody>
</table>

### Assumptions

1. Oat hay planted in early April and harvested in late June.
2. Interest computed on land preparation and planting costs for 10 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.

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