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

**Garfield County - Tropic**

<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>2.1</td>
<td>tons</td>
<td>$67.67</td>
<td>$142.10</td>
<td>$142.10</td>
<td></td>
</tr>
<tr>
<td>Residue</td>
<td>0.25</td>
<td>AUM</td>
<td>$11.53</td>
<td>$2.88</td>
<td>$2.88</td>
<td>$144.98</td>
</tr>
</tbody>
</table>

**Subtotal**

**Operating costs**

- **Land preparation**
  - Plowing: 1 acre, $22.78
  - roller harrow: 2 acre, $14.33
- **Planting**
  - 1 acre, $12.21
- **Seed**
  - 100 pounds, $0.17
- **Fertilization**
  - Nitrogen (34-0-0): 294 pounds, $0.18
  - Phosphate (11-52-0): 96 pounds, $0.18
- **Custom application**
  - 1 acre, $7.82
- **2-4-D**
  - 2.5 pint, $2.75
- **Irrigation (wheel line)**
  - 4 irrigations
- **Labor**
  - 1.33 hours, $10.00
- **Water assessment**
  - 1 share, $10.00
- **Repairs/maintenance**
  - 1 acre, $2.30
- **Pumping**
  - 22 acre inch, $0.00
- **Harvesting**
  - Swathing: 2 acre, $15.56
  - Turning/raking: 2 acre, $4.69
  - Baling: 2.10 tons, $4.79
  - Hauling/stacking: 2.10 tons, $3.63
- **Interest on operating capital**
  - 7.61%, $0.00

**Subtotal** $249.63 | $277.79

**Ownership costs (excludes cost of land)**

- **Farm insurance**
  - 1 acre, $0.60
- **Machinery ownership costs**
  - 1 acre, $0.60
- **Irrigation equipment costs**
  - 1 acre, $0.60

**Total costs** $259.88 | $288.04

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

- Above operating costs: $-104.65 | $-132.81
- Above total listed costs: $-114.90 | $-143.06

### 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>0.60</td>
<td>-$199.52</td>
</tr>
<tr>
<td>1.10</td>
<td>-$174.89</td>
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<tr>
<td>1.60</td>
<td>-$150.27</td>
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<tr>
<td>2.10</td>
<td>-$125.65</td>
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<tr>
<td>2.60</td>
<td>-$101.02</td>
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<tr>
<td>3.10</td>
<td>-$76.40</td>
</tr>
<tr>
<td>3.60</td>
<td>-$51.78</td>
</tr>
</tbody>
</table>

**Assumptions**

1. Oats planted in May and harvested in July.
2. Interest computed on land preparation and planting costs for 10 months and fertilizer/herbicide/irrigation costs for 4 months.
3. Custom rates for all field operations.
4. Only owned machinery are a loader and truck.

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