# Vermont Oilseed Crop Production Cost and Profit Calculator

## User Inputs

<table>
<thead>
<tr>
<th>Title</th>
<th>My Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generic 100,000 GPY Operation</td>
<td></td>
</tr>
</tbody>
</table>

### GENERAL INSTRUCTIONS: Enter any specific information you have regarding your farm's operation into the white boxes below. If you do not enter a value in the white box, the "Example" value to the left of it will be used. If you enter "0" instead of "NA" a value of zero will be used. "Example" values are based on research and collection of data from participating farmers and other published resources and are provided for guidance only. Summary results are displayed on the right of the screen, and you can print a more detailed report by clicking "Print Detailed Report".

### Projected Costs

<table>
<thead>
<tr>
<th>Item</th>
<th>Example</th>
<th>My Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Cropland</td>
<td>822</td>
<td>acre</td>
</tr>
<tr>
<td>Acres in Oilseeds</td>
<td>1645</td>
<td>acre</td>
</tr>
<tr>
<td>Acres in this Crop</td>
<td>1645</td>
<td>acre</td>
</tr>
<tr>
<td>Land Cost</td>
<td>$37</td>
<td>$37/acre/yr</td>
</tr>
</tbody>
</table>

### Yield

<table>
<thead>
<tr>
<th>Item</th>
<th>Example</th>
<th>My Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yield (Seed)</td>
<td>11.00</td>
<td>12.00</td>
</tr>
<tr>
<td>Oil Content</td>
<td>4.4%</td>
<td></td>
</tr>
<tr>
<td>Test Weight</td>
<td>32</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Cost of Production

<table>
<thead>
<tr>
<th>Item</th>
<th>Example</th>
<th>My Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fertilizer (applied)</td>
<td>$47.00</td>
<td>$48.00</td>
</tr>
<tr>
<td>Seed</td>
<td>$25.00</td>
<td>$26.00</td>
</tr>
<tr>
<td>Planting</td>
<td>$6.00</td>
<td>$7.00</td>
</tr>
<tr>
<td>Cultivating</td>
<td>$8.00</td>
<td>$9.00</td>
</tr>
<tr>
<td>Spraying</td>
<td>$20.00</td>
<td>$21.00</td>
</tr>
<tr>
<td>Harvesting</td>
<td>$12.00</td>
<td>$13.00</td>
</tr>
<tr>
<td>Hauling</td>
<td>$1.00</td>
<td>$1.00</td>
</tr>
<tr>
<td>Total Cost of Production</td>
<td>$153.00</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Costs of Cleaning and Drying

<table>
<thead>
<tr>
<th>Item</th>
<th>Example</th>
<th>My Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press Capacity</td>
<td>1.0</td>
<td>2.0</td>
</tr>
<tr>
<td>Press Oil Efficiency</td>
<td>90%</td>
<td>100%</td>
</tr>
<tr>
<td>Press Power Rating</td>
<td>$3.75</td>
<td>$7.50</td>
</tr>
<tr>
<td>Labor Cost (per ton)</td>
<td>$0.75</td>
<td>$0.00</td>
</tr>
<tr>
<td>Cost of Hired Pressing</td>
<td>$0.00</td>
<td>NA</td>
</tr>
<tr>
<td>Cost of Purchased Oil</td>
<td>$0.00</td>
<td>NA</td>
</tr>
<tr>
<td>Amount of Purchased Oil</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

### Cost of Biodiesel Production

<table>
<thead>
<tr>
<th>Item</th>
<th>Example</th>
<th>My Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plant &amp; Equip Cost</td>
<td>$10,000</td>
<td>$9,000</td>
</tr>
<tr>
<td>Healing Cost</td>
<td>$2.00</td>
<td>$1.20</td>
</tr>
<tr>
<td>Alcohol Cost</td>
<td>$4.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Alcohol Used</td>
<td>208</td>
<td>208 gal</td>
</tr>
<tr>
<td>Lye Cost</td>
<td>$2.40</td>
<td>$1.50</td>
</tr>
<tr>
<td>Lye Used</td>
<td>0.83</td>
<td>0.10 gal /ton oilseed</td>
</tr>
<tr>
<td>Labor Cost (per gal)</td>
<td>$0.10</td>
<td>$0.05</td>
</tr>
<tr>
<td>Cost of Hired Biodiesel Production</td>
<td>$0.00</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Market Value of Products

<table>
<thead>
<tr>
<th>Item</th>
<th>Example</th>
<th>My Farm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market Price for Seed</td>
<td>$3.84</td>
<td>$3.84</td>
</tr>
<tr>
<td>Market Price for Meal</td>
<td>$1.50</td>
<td>$1.50</td>
</tr>
<tr>
<td>Market Price for Oil</td>
<td>$5.21</td>
<td>$5.21</td>
</tr>
<tr>
<td>Net Market Value of Other Potential Bi-pr</td>
<td>$2.94</td>
<td>$2.94</td>
</tr>
</tbody>
</table>

## Results

### Incremental Costs

- Cost of Production: $20.00/acre
- Cost of Cleaning/Drying: $2.00/acre
- Cost of Pressing: $1.00/acre
- Cost of Biodiesel Production: $53.00/acre
- Cost of Meal Production: $38.40/acre
- Cost of Oil Production: $45.00/acre
- Cost of Seed Production: $18.50/acre
- Cost of Oil Produced: $112,000/ton
- Cost of Meal Produced: $10,000/ton
- Cost of Seed Produced: $1,000,000/ton

### Cumulative Cost

- Total cost for Seed (Clean and Dry) $203/acre
- Total cost for Meal $78/acre
- Total cost for Oil $127/acre
- Total cost for Biodiesel $130/acre

### Projected Profit / Loss

- If all is sold at market prices noted to the left, #8

  - Seed Only (Clean and Dry) $528/acre
  - Oil Only (full burden) $112/acre
  - Meal Only (full burden) $179/acre
  - Meal and 100% Oil (shln burden) $311/acre
  - Meal and Oil Biodiesel (shln burden) $378/acre
  - Seed Only (total) $452,266/total
  - Oil Only (full burden) $185,015/total

### Production Summary

- Estimated volume of production at 100% conversion
  - Tons of seed produced 987 tons
  - Bushels of seed produced 61,588 bushel
  - Tons of oil produced 612 tons
  - Gallons of oil produced 29,516 gallons
  - Tons of meal produced 375 tons
  - Gallons of meal produced 128,945 gallons
  - Tons of biodiesel produced 100,216 tons