The Peanut Biodiesel Project

From the Field to the Fuel Tank!

Why use peanut oil as fuel?
• Highest potential in SE (see table below)
• High oleic varieties = high quality diesel
• The first diesel engine was powered by peanut oil!

How do I make biodiesel?
• 1 ton farmer stock peanuts yields about 100 gal crude peanut oil + 800 lb meal
• Crude peanut oil is mixed with methanol and a catalyst (lye)
• The result is methyl ester or biodiesel (B100)
• B100 will run in any diesel engine without modification; or can be blended to your specifications

### Benefits
• Single farms or groups of farmers can be fuel independent
• Clean burning, renewable fuel
• Costs less than buying petro-diesel
• Capture tax credits and incentives from the government
• Peanut meal is valuable animal feed

For more information contact:

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<table>
<thead>
<tr>
<th>Crop</th>
<th>Gallons fuel per acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peanut</td>
<td>100+</td>
</tr>
<tr>
<td>Canola</td>
<td>75</td>
</tr>
<tr>
<td>Soybean</td>
<td>65</td>
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This chart illustrates B100 yield per acre for 8 varieties grown in a very low-input, low cost production system. No fungicides, insecticides, and very little herbicide was used.