Biodiesel

States Logistics latest sustainability initiative...

...for a cleaner environment & brighter future

enter here
What is biodiesel?

Biodiesel a clean burning alternative fuel produced from domestic, renewable resources. Biodiesel contains no petroleum, but it can be blended at any level with petroleum diesel to create a biodiesel blend. It can be used in compression-ignition (diesel) engines with little or no modifications. Biodiesel is simple to use, biodegradable, nontoxic, and essentially free of sulfur and aromatics.
Benefits of Biodiesel

- Environmental Benefits
  - Highest energy balance of any fuel; for every one unit of fossil energy needed to produce biodiesel, 3.2 units of energy are gained.
  - Significant reduction of harmful pollutants
  - Click here for a detailed look at pollutant reductions

- Energy Security Benefits
  » Utilizes domestic energy sources
  » Reduces energy dependence on foreign sources
  » For every billion dollars spent on foreign oil, the U.S. loses 10,000 to 25,000 jobs
Benefits of Biodiesel

- **Economic Benefits**
  - The following would occur based upon an annual 200 million gallon increase of soy-based biodiesel demand:
    - Crop cash receipts increased by $5.2 billion cumulatively by 2010
    - Average net farm income increase of $300 million per year
    - Soybean price would increase by an average of 17 cents per year

- **Positive performance attributes**
  - Higher combustion quality
  - High fuel lubricity
  - High oxygen content
  - Flash point over 300° F making it safer to use
States Logistics and Biodiesel
“A Matter of Corporate Responsibility”

• 14% of our fleet is now being powered by B99 biodiesel fuel
• Each tractor fueled by B99 is the equivalent of removing 18.6 cars from the road each day!!
• Plans to transition 50% of tractors to biodiesel fuel within 5 years
Contact us for more information on States Logistics and biodiesel

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Thank you for your time...we look forward to hearing from you soon!!
## Average Biodiesel Emissions Compared to Conventional Diesel, According to EPA

<table>
<thead>
<tr>
<th>Emission Type</th>
<th>B100</th>
<th>B20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Unburned Hydrocarbons</td>
<td>-67%</td>
<td>-20%</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>-48%</td>
<td>-12%</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>-75%</td>
<td>-15%</td>
</tr>
<tr>
<td>Particulate Matter</td>
<td>-47%</td>
<td>-12%</td>
</tr>
<tr>
<td>Nox</td>
<td>+10%</td>
<td>+2%</td>
</tr>
<tr>
<td>Sulfates</td>
<td>-100%</td>
<td>-20%</td>
</tr>
<tr>
<td>PAH (Polycyclic Aromatic Hydrocarbons)</td>
<td>-80%</td>
<td>-13%</td>
</tr>
<tr>
<td>nPAH (nitrated PAH's)</td>
<td>-90%</td>
<td>-50%</td>
</tr>
<tr>
<td>Ozone potential of speciated HC</td>
<td>-50%</td>
<td>-10%</td>
</tr>
</tbody>
</table>

Source: National Biodiesel Board