



B2B News

Byproducts to Biodiesel. .

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Biodiesel News Updates

Features: **The upcoming Federal Stimulus-bill program represents a tremendous opportunity to jumpstart renewable energy projects across the country. . . **Biodiesel from animal fats has the lowest carbon footprint and is leading the way in reducing greenhouse gas emissions. . . **Race cars use a 5% biodiesel blend at the Volkswagen Jetta TDI Cup. . . **The biodiesel market is expanding to aviation. . . **Biodiesel performance excels in truck fleet studies. . .

Stimulus Dollars Improve ROI For Renewable Energy Programs

In August, the Treasury Department will formally announce the "Qualifying Advanced Energy Project Investment Tax Credit," a Stimulus-bill program designed to encourage projects that generate green jobs and clean energy. Congress appropriated \$2.3 billion for this tax credit, which will be worth up to 30% of the costs of new renewable energy facilities.

Though exact details of the program are still forthcoming, this appears to be a tremendous opportunity to jumpstart renewable energy projects by improving ROI and reducing payback times. Keep your eyes open for the August R3 Biofuels newsletter, which will keep you updated on how to access this exciting new program.



Animal Fat Biodiesel Proven To Have Lowest Carbon Footprint

With expanding state and federal regulations to reduce greenhouse gas emissions, new methods are being designed to determine the carbon footprint of biofuels. One of the most advanced methodologies is known as GREET (short for Greenhouse gases, Regulated Emissions, and Energy use in Transportation), which was developed at the DOE's Argonne National Laboratory.



Recently the California Air Resources Board used GREET to analyze a wide variety of fuels, including petroleum diesel, corn-based ethanol, soy-based biodiesel, and tallow-based biodiesel. Through this analysis, it was found that the lifecycle emissions for tallow-based biodiesel were 86% lower than petroleum diesel, almost 70% lower than corn-based ethanol, and 50% lower than soy-based biodiesel. With these findings, tallow-based biodiesel assumes a leading role as a clean, cost-competitive fuel that can be produced domestically,

reducing our carbon emissions and our reliance on foreign sources of oil.

Newsbriefs. . .



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Biodiesel In Auto Racing: *Car & Driver* magazine's July issue features an article on the Volkswagen's Jetta TDI Cup, which *Car & Driver* labels as "a terrific racing series." Each car utilizes a diesel blend that includes 5% biodiesel. Read the full article here: <http://www.caranddriver.com/features/09q3/green-and-kinda-mean-we-race-in-the-volkswagen-jetta-tdi-cup-sport>

Biodiesel Market Expanding to Aviation:



A study released by Boeing at the Paris Air Show revealed that in test flights with three airlines, fuel blends with biodiesel performed "as well or better" than standard petroleum fuels. The test flights also showed better fuel economy and emissions reductions of over 80% for the biodiesel blends.

Biodiesel Truck Performance:

A study by Purdue University of two ten-truck fleets driven 1.5 million miles showed that a 20% biodiesel blend (B20) performed equally well as petroleum-based Ultra Low Sulphur (ULSD). Key performance criteria included "fuel economy, fuel test results, engine oil analysis, and service and maintenance costs.



This newsletter is courtesy of R3 Biofuels

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