

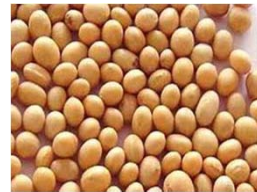
Biodiesel



Anne Steckel
Vice President, Federal Affairs
National Biodiesel Board



- Biodiesel is a renewable, clean-burning diesel replacement. It can be used in existing diesel engines without modification and is also used increasingly as a heating oil replacement.
- It is produced in nearly every state in the country and supported more than 40,000 U.S. jobs last year while reducing harmful emissions and bolstering U.S. energy security.
- Biodiesel is the **FIRST AND ONLY** fuel produced on a commercial scale across the country to meet the EPA's definition of an **ADVANCED BIOFUEL** under the Renewable Fuel Standard program





EPA Definition 40 CFR 80.1401

Advanced Biofuel means renewable fuel, other than ethanol derived from cornstarch, that reduces greenhouse gas emissions by at least 50 percent compared with petroleum fuels.

The EPA determined that biodiesel reduces greenhouse gas emissions by up to 86 percent compared with petroleum diesel.

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Biodiesel Feedstock Diversity



Recycled Cooking Oil



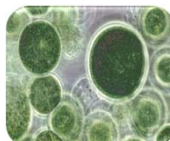
Soybean Oil



Animal Fats



Canola Oil



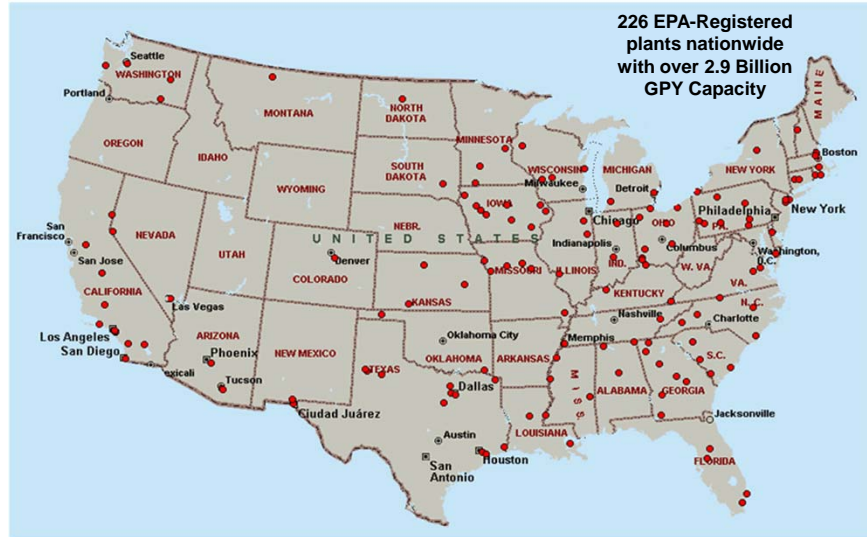
Algae



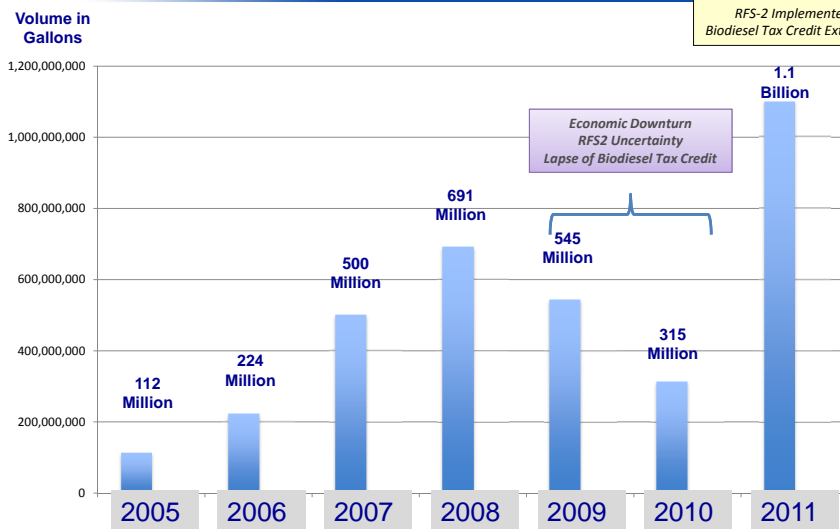
Inedible Corn Oil



Nationwide Production



Production by Calendar Year



BIO DIESEL Biodiesel Users

The top section features the **BIO DIESEL** logo on the left and the title **Biodiesel Users** on the right. Below this, a collection of logos represents various users of biodiesel. These include **BIOHEAT** (with the tagline 'THE EVOLUTION OF OILHEAT'), **Disney**, **UPS**, the **United States Marine Corps**, **National Park Service**, **NASA**, **Clif Bar & Company**, **United States Postal Service**, **Cranmore** (mountain resort north Conway), **Enterprise Holdings** (which includes **Alamo**, **Enterprise**, and **National**), and **method**.

BIO DIESEL OEMs Supporting B20+

The bottom section features the **BIO DIESEL** logo on the left and the title **OEMs Supporting B20+** on the right. Below this, a collection of logos represents various Original Equipment Manufacturers (OEMs) that support B20+ biodiesel. These include **Ford**, **GM**, **RAM**, **International** (A Navistar Company), **Cummins**, **Hino Trucks** (A Toyota Group Company), **Isuzu** (Commercial Truck of America, Inc.), **Caterpillar**, **Case IH** (AGRICULTURE), **Toro**, **John Deere**, **New Holland** (AGRICULTURE), **HDT** (Hayes Diversified Technologies, Inc.), **Ferris**, **Yanmar**, **Arctic Cat**, **Fairbanks Morse Engine**, and **Tomcar**.



OEMs Supporting B20+

- New OEM B20 Support Statements in 2012:



DAIMLER

Daimler Trucks North America



WESTERN STAR



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Bioheat – The Evolution of Oilheat

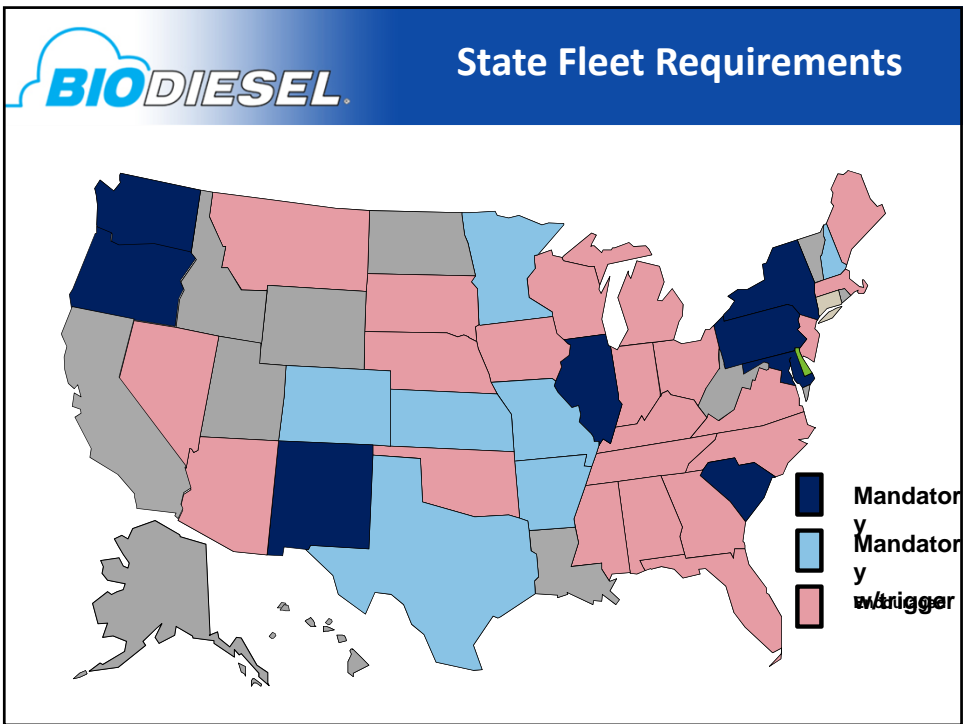
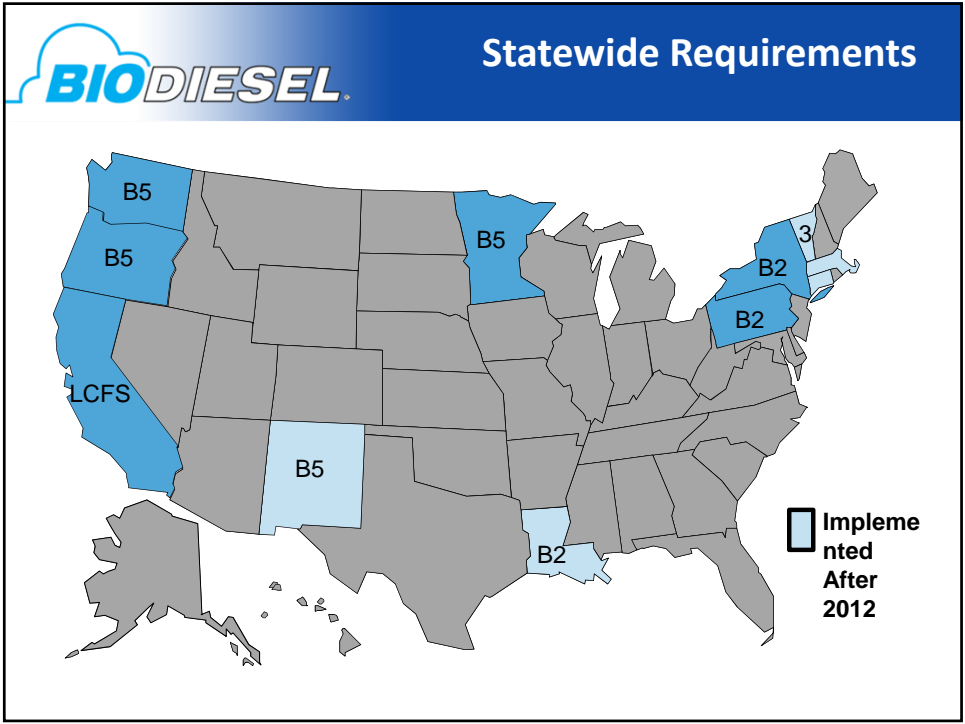


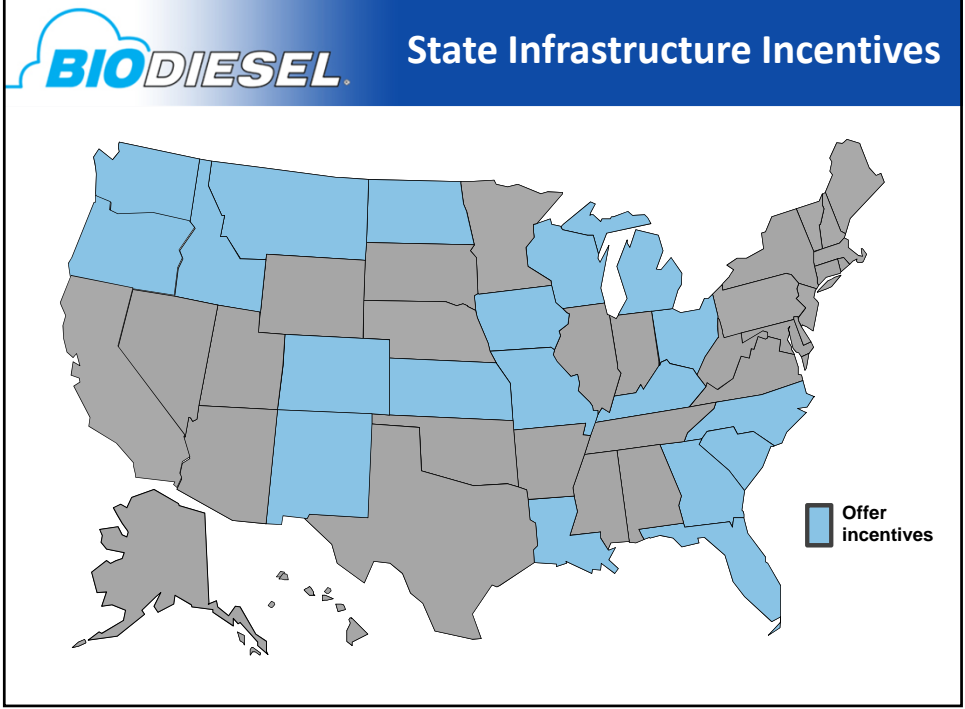
Bioheat® is a renewable, clean-burning heating oil. Usually blended with standard petroleum heating oil, Bioheat significantly reduces emissions and keeps heating systems running longer than standard heating oil alone.

www.bioheatonline.com



In-home and laboratory testing has shown that the use of Bioheat in a standard home oil burner resulted in a substantial reduction in unburned hydrocarbons, carbon monoxide, and particulate matter compared to emissions from distillate fuels.





BIODIESEL Federal Policy

After starting as a niche fuel, biodiesel has been produced on a commercial scale for only about six years.

As a young, growing business, the industry's growth hinges on a strong federal energy policy aimed at aggressively increasing domestic production. Two programs are particularly important to the industry's success:

- **The EPA's Renewable Fuel Standard (RFS)**
- **The biodiesel tax credit**

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Renewable Fuel Standard

The RFS2 program, implemented last year, requires a minimum amount of Biomass-based Diesel (which includes biodiesel, BioHeat, bio-jet and renewable diesel) to be blended with petroleum diesel or aviation fuel:

2011 – 800 million gallons

2012 – 1 billion gallons

2013 – 1.28 billion gallons

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Biodiesel Tax Credit

The \$1 per gallon biodiesel tax incentive helps reduce costs for consumers and makes biodiesel more cost-competitive with petroleum diesel.

The incentive, which was first implemented in 2005, has a proven impact on jobs. It expired on Dec. 31, 2011 and Congress has yet to pass an extension.

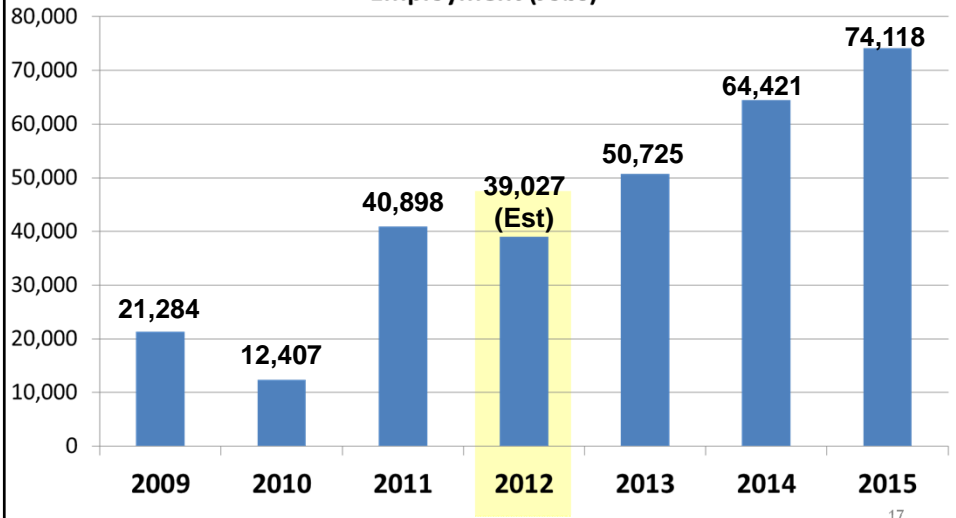
In just the six years it has been in place, the tax incentive has helped grow biodiesel from a niche energy sector to a commercial-scale industry with plants across the country.

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Jobs, Jobs, Jobs

Employment (Jobs)



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Thank You

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