

Biodiesel is a high-quality renewable fuel available to truckers, fleets, farmers, and consumers. Biodiesel is a clean-burning, biodegradable fuel produced from renewable resources, such as vegetable oils and animal fats. It can be used in any diesel engine without modifications.



### BIODIESEL BENEFITS

- Similar fuel consumption, horsepower, torque, and haulage rates as regular diesel fuel.
- Superior lubricity.
- No sulfur emissions.
- Safest fuel to use, handle and store and it's biodegradable.
- The most energy-efficient fuel to produce. **For every one unit of fossil energy used to produce a gallon of biodiesel, three units of energy are generated.**

### TYPICAL BIODIESEL BLENDS

Biodiesel blends typically range from B2 (2% biodiesel and 98% petroleum diesel) to B20 (20% biodiesel and 80% petroleum diesel). Special applications, such as cruise ships and mining equipment, use up to B99.

**Whether you're an over-the-road truck driver, a farmer, fleet manager, or vehicle owner, biodiesel is right for you!**

### WHERE TO GET BIODIESEL

To fill your tank with clean-burning biodiesel, ask your fuel supplier or go to [www.IowaRFA.org](http://www.IowaRFA.org) for a list of biodiesel producers, distributors and retailers.

### ENGINE MANUFACTURERS & AUTOMAKERS ENDORSE BIODIESEL

Biodiesel use does not void warranties. However, some engine manufacturers endorse certain biodiesel blend levels. Check your owner's manual for approved blend levels or visit [www.biodiesel.org](http://www.biodiesel.org).

B5 Endorsement*	B20 Endorsement*
John Deere	Case IH
Ford	Cummins
General Motors	DaimlerChrysler
International Truck & Engine Corporation	JCB
Kubota Tractor Corporation	New Holland
Mack Truck, Inc.	
Mercedes Benz	
Nissan Diesel America, Inc.	
Volvo Truck Corporation	
Volkswagen	

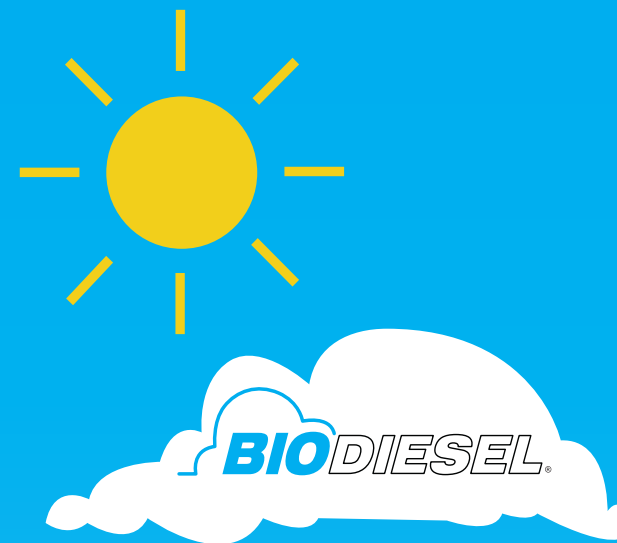
\*Certain Models

### BUY BIODIESEL WITH CONFIDENCE



The biodiesel industry is committed to offering fuel that meets the highest quality standards.

A voluntary accreditation program has been established by the National Biodiesel Board for producers and marketers to assure that biodiesel fuel is being produced to ASTM D 6751 standards. BQ9000 is a program that ensures a biodiesel refinery or wholesale distributor is using a system for monitoring biodiesel quality to preserve the fuel's integrity. For more information, go to [www.BQ-9000.org](http://www.BQ-9000.org).



# Fueling Iowa's Future.



**Iowa Renewable Fuels Association**

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## Why Use Biodiesel in Trucks?

- Biodiesel can be used in compression-ignition engines with no modifications and it has a higher cetane number than most diesel fuel. The lack of sulfur makes it the best choice in meeting stricter emissions standards established by the U.S. Environmental Protection Agency.
- Preliminary results of a road test by an Iowa trucking firm found that using a B20 blend reduced maintenance due to increased lubricity, minimized engine wear and resulted in cleaner engine oil. No performance problems were reported even with single digit temperatures!
- Biodiesel is cost-competitive with conventional diesel. The long-term savings in reduced engine wear, repairs, maintenance, and lost downtime make biodiesel the best choice for America's trucking industry.



## Why Use Biodiesel in School Buses?

- It is non-toxic, biodegradable. Exhaust emissions are less harmful than petroleum diesel. Less smoke on acceleration reduces children's exposure to harmful pollution and health problems.
- Existing storage equipment can be used making the transition to this alternative, renewable fuel hassle-free for fleet managers and maintenance personnel. And, drivers will experience no differences when operating buses powered with biodiesel.
- School administrators see reduced maintenance costs because engines running on biodiesel have a longer life expectancy.
- Biodiesel has undergone the most extensive analysis and health affects testing of any fuel certified by the U.S. EPA.



## Why Use Biodiesel on the Farm?

- Using biodiesel increases soybean demand, adding to a farmer's bottom line.
- There's less wear and tear on engines due to biodiesel's superior lubricity — 66% more than diesel. Equipment spends less time in the shop during critical planting and harvest seasons.
- Biodiesel is produced in America, reducing the need for imported oil. Many biodiesel facilities are owned by Iowa residents who reinvest their profits into local communities.
- Biodiesel production creates new jobs and contributes to the state's tax revenue. Increased economic activity and new jobs result in higher income levels for Iowa households.

