

Biodiesel and the U.S. Diesel Vehicle Market:

Biodiesel is the clean burning alternative to diesel fuel that is domestically produced from diverse renewable resources. This advanced alternative fuel is made from fats and plant oils that do not negatively impact the food supply, including soybean oil, recycled cooking oil, and even algae. Biodiesel blends can be used according to manufacturers' suggestions in any diesel engine with few or no modifications, significantly reducing harmful emissions. Biodiesel is the best carbon mitigation strategy available for diesel vehicles.

In the last year, the biodiesel industry has achieved major milestones that will expand biodiesel's role in the nation's fuel supply. Last year's 700 million gallons of biodiesel production reduced greenhouse gas emissions the equivalent of removing 980,000 vehicles from U.S. roads. Biodiesel retail availability expanded to more than 2,865 retailers and distributors nationwide. Certification of biodiesel producers and marketers through the [BQ-9000](#) fuel quality assurance program grew substantially, now representing nearly 80% of the volume of biodiesel produced in the U.S. Several Original Equipment Manufacturers (OEMs) announced their approval of blends of 20 percent biodiesel (B20) or higher. New [ASTM specifications for biodiesel blends](#) were approved and published, including a new specification for B6-B20 blends (ASTM D7467) that opens the door for even greater OEM approval. And already in 2009, numerous pieces of legislation on biodiesel are being considered in Washington, while biodiesel continues to gain momentum under the Energy Bill's expanded Renewable Fuels Standard (RFS). The volume of biomass-based diesel fuel required under the RFS is slated to rise from 500 million gallons in 2009 to 1 billion gallons by 2012.

In addition, the National Biodiesel Board (NBB) has set a goal of replacing the equivalent of 5 percent of the nation's on-road diesel fuel with biodiesel by 2015. That amount is roughly equal to the amount of diesel fuel currently produced from crude oil imported from Iraq, or about ¼ of the diesel imported from the Persian Gulf.

The diesel vehicle market is primed for rapid growth in the U.S. due to the fact that diesels are now much cleaner and incredibly fuel efficient, typically getting 20 to 40 percent more miles to the gallon than a comparable gasoline engine while emitting 15% less CO₂. Also, while different state regulations initially delayed the introduction of diesel technology in the United States, most automakers have now developed diesel engine technology that meets the emissions requirements in all 50 states. Analysts from J.D. Power & Associates expect continued growth in the diesel market, with diesels accounting for more than 9 percent of new vehicle sales by 2016, up from an expected 2.3 percent in 2009. J.D. Power also predicts that U.S. diesel sales will exceed 1 million units by 2013. Some see the future of the U.S. diesel market modeled by Western Europe, where fuel prices and concern for the environment have shaped public policy to encourage diesel vehicle sales so much that they now account for nearly 52% of new vehicle sales.

So far in 2009, 15 auto manufacturers have introduced 17 diesel models to the U.S. market, and/or announced the development of at least 15 more diesel models expected here by 2010+. Thus, the growing resurgence of clean diesel technology in the U.S., coupled with the additional environmental and economic benefits of biodiesel, are giving American consumers more options to "drive green" than ever before!

For more information on biodiesel and clean diesel technology, visit www.biodiesel.org or www.dieselforum.org

- Information was current at the time of this publication in March 2009
- Vehicle specifications for 2009 diesel models was obtained from information available on manufacturers' websites and product literature – follow links to their official company sites for more details.
- Fuel economy information can be found on the vehicle manufacturers' websites, or for vehicles of GVW >8500 it can be calculated by visiting www.Intellichoice.com. Actual fuel economy may vary, depending upon vehicle options chosen.
- Additional information on Powertrain, Torque and Horsepower ratings has been supplied by vehicle manufacturers.
- Information on future diesel models has been provided by manufacturer contacts and/or other industry sources and may be subject to change.

2009 DIESEL VEHICLES FOR SALE IN THE U.S.

Cars, Trucks and SUVs:

2009 Audi Q7 TDI



[View the official site](#)

Diesel Model

3.0L TDI V6
225 HP
406 lb-ft Torque

Fuel Economy (mpg)*
TBA

Approved for B5 Biodiesel

Gas Model

4.2L V8
350HP
325 lb-ft Torque

Fuel Economy (mpg)*
City - 13
Highway - 18

2009 BMW 335d



[View the official site](#)

Diesel Model

3.0L 24V In-line 6 Twin Turbo
265 HP
425 lb-ft Torque

Fuel Economy (mpg)*
City – 23
Highway - 36

Approved for B5 Biodiesel

Gas Model

3.0L V6
300 HP
300 lb-ft Torque

Fuel Economy (mpg)*
City – 17
Highway - 26

2009 BMW X5 xDrive35d



[View the official site](#)

Diesel Model

3.0L V6
265HP
425 lb-ft Torque

Fuel Economy (mpg)*
City – 19
Highway - 26

Approved for B5 Biodiesel

Gas Model

4.8L V8
350 HP
350 lb-ft Torque

Fuel Economy (mpg)
City - 14
Highway - 19

2009 Dodge Ram 2500/3500 Regular/Quad Cab



[View the official site](#)

Diesel Model

6.7L Cummins Turbo Diesel
350 HP
650 lb-ft Torque

Fuel Economy (mpg)*

Approved for use of B20 Biodiesel by approved fleets; receives B5 factory fill

Eligible for NBB Member discount on purchase or lease under Chrysler Affiliate Rewards Program

*MPG data can be calculated at www.Intellichoice.com

Gas Model

5.7L HEMI V8
383HP
404 lb-ft Torque

Fuel Economy (mpg)*

2009 Dodge Sprinter Van



[View the official site](#)

Diesel Model

3.0L V6 CRD Turbodiesel
154HP
280 lbs-ft Torque

Fuel Economy (mpg)*

Approved for B20 Biodiesel

[See Chrysler information on "green fuels"](#)

*MPG data can be calculated at www.Intellichoice.com

Gas Model

Not Available

2009 Ford Super Duty F250/350/450/550



[View the official site](#)

Diesel Model

6.4L PowerStroke V8 Turbo
350 HP
650 lb-ft Torque

Fuel Economy (mpg)*

Approved for B5 Biodiesel

*MPG data can be calculated at www.Intellichoice.com

Gas Model

6.8L V10
362 HP
457 lb-ft Torque

Fuel Economy (mpg)*

2009 GM Chevy Silverado 2500HD / 3500HD



[View the official site](#)

Diesel Model

Powertrain – Duramax 6.6L
Turbo Diesel V8
365HP
660 lbs-ft Torque

Fuel Economy (mpg)*

Approved for B5 Biodiesel with
B20 capability as a Special
Equipment Option for Fleets

Gas Model

Powertrain - Vortec 6.0L V8
360HP
380 lbs-ft Torque

Fuel Economy (mpg)*

*MPG data can be calculated at www.Intellichoice.com

2009 GM GMC Sierra 2500/3500 HD



[View the official site](#)

Diesel Model

Powertrain – Duramax 6.6L
Turbo Diesel V8
365HP
660 lbs-ft Torque

Fuel Economy (mpg)*

Approved for B5 Biodiesel with
B20 capability as a Special
Equipment Option for Fleets

Gas Model

Powertrain - Vortec 6.0L V8
(Gas)
360HP
380 lbs-ft Torque

Fuel Economy (mpg)*

*MPG data can be calculated at www.Intellichoice.com

2009 GM GMC Savana 2500/3500 Cargo Van



[View the official site](#)

Diesel Model

6.6L Turbo Diesel V8
250HP
460 lbs-ft Torque

Fuel Economy (mpg)*

Approved for B5 Biodiesel with
B20 capability as a Special
Equipment Option for Fleets

Gas Model

Powertrain - Vortec 6.0L V8
323HP
373 lbs-ft Torque

Fuel Economy (mpg)*

*MPG data can be calculated at www.Intellichoice.com

2009 GM Chevy Express 2500/3500 Cargo Van



[View the official site](#)

Diesel Model

6.6L Turbo Diesel V8
250HP
460 lbs-ft Torque

Fuel Economy (mpg)*

Approved for B5 Biodiesel with
B20 capability as a Special
Equipment Option for Fleets

*MPG data can be calculated at www.Intellichoice.com

Gas Model

Powertrain - Vortec 6.0L V8
323HP
373 lbs-ft Torque

Fuel Economy (mpg)*

2009 Mercedes-Benz E320 BlueTEC Sedan



[View the official Site](#)

Diesel Model

3.0L V6
210 HP
398 lb-ft Torque

Fuel Economy (mpg)*

City – 23
Highway – 32

Approved for B5 Biodiesel

Gas Model (E550)

5.5L V8
382 HP
391 lb-ft Torque

Fuel Economy (mpg)*

City - 15
Highway - 22

2009 Mercedes-Benz GL320 BlueTEC SUV



[View the official site](#)

Diesel Model

3.0L V6
210HP
398 lb-ft Torque

Fuel Economy (mpg)*

City – 17
Highway – 23

Approved for B5 Biodiesel

Gas Model (GL550)

5.5L V8
382 HP
391 lb-ft Torque

Fuel Economy (mpg)*

City – 13
Highway - 17

2009 Mercedes-Benz ML320 BlueTEC SUV



[View the official site](#)

Diesel Model

3.0L V6
210 HP
398 lb-ft Torque

Fuel Economy (mpg)*

City – 18
Highway – 24

Approved for B5 Biodiesel

Gas Model (ML350)

5.5L V8
382 HP
391 lb-ft Torque

Fuel Economy (mpg)*

City – 13
Highway - 18

2009 Mercedes-Benz R320 BlueTEC



[View the official site](#)

Diesel Model

3.0L V6
210HP
398 lb-ft

Fuel Economy (mpg)*
City – 18
Highway - 24

Approved for B5 Biodiesel

Gas Model (R350)

3.5L V6
268HP
258 lb-ft Torque

Fuel Economy (mpg)*
City - 15
Highway - 19

2009 Volkswagen Jetta TDI



[View the official site](#)

Jetta was awarded 2009 [Green Car of the Year by Green Car Journal](#)

Click here to check out the [Jetta TDI Cup Race Series powered by B5!](#)

Diesel Model

2.0L I4 TDI
140HP
236 lb-ft Torque

Fuel Economy (mpg)*
City – 29 / Highway - 40

Approved for B5 Biodiesel

Gas Model

2.5L I5
170HP
177 lb-ft Torque

Fuel Economy (mpg)*
City - 20
Highway - 29

2009 Volkswagen Jetta Sportswagen TDI



[View the official site](#)

Diesel Model

2.0L I4 TDI
140 HP
236 lb-ft Torque

Fuel Economy (mpg)*
City – 30
Highway - 41

Approved for B5 Biodiesel

Gas Model

2.0L I4 Turbo
200 HP
207 lb-ft Torque

Fuel Economy (mpg)*
City - 22
Highway - 29

2009 Volkswagen Touareg 2 TDI



[View the official site](#)

[News Release](#)

Diesel Model

3.0L V6 TDI
221 HP
406 lb-ft Torque

Fuel Economy (mpg)*

City – 17
Highway - 25

Approved for B5 Biodiesel

Gas Model

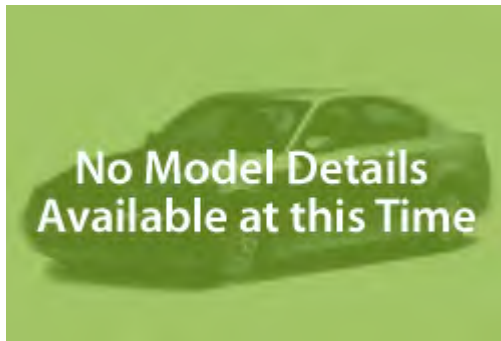
4.2 L V8
350 HP
324 lb-ft Torque

Fuel Economy (mpg)*

City – 12
Highway - 17

New Diesel Vehicles Coming Soon:

Acura / Honda



Working to bring the EU Acura TSX to North America. This program has been delayed until 2010.

Read the [news story](#) here.

Latest [information](#) from Honda on delay.

Audi



**A3 Sedan
Arriving 2010**

AUDI Plans to offer an A3 TDI 1st quarter of 2010.

The 2010 Audi A3 will feature an in-line 4-cylinder turbocharged clean diesel engine with a common rail direct injection system. The A3 will be 50-state compliant and will not require an aftertreatment system.

Read the [news story](#) from Jan. 12, 2009 here.

Information on Audi's [TDI](#) Technology.

BMW



[Mention](#) of BMW possibly offering a 7-Series Diesel Mid-2010.

Ford



Ford is aiming to develop the first light-duty diesel truck for the U.S. market. The engine is expected to be a 4.4L V8. Click [here](#) for the latest.

**F-150 Light Truck
Expected 2010**

General Motors



GM had plans to offer the Chevrolet Silverado with a 4.5-liter diesel engine in 2010.

[GM has delayed this engine](#) due to financial conditions.

**Silverado
Delayed**

General Motors



**Cadillac CTS Sedan
Expected 2010**

GM may use their European CTS diesel in the US. Read more in [Diesel Power Magazine](#).

[GM Press release](#) about the European CTS Diesel.

Kia



Sorento
Expected 2010

A diesel powertrain system is expected on the 2010 Sorento as [announced by Kia](#).

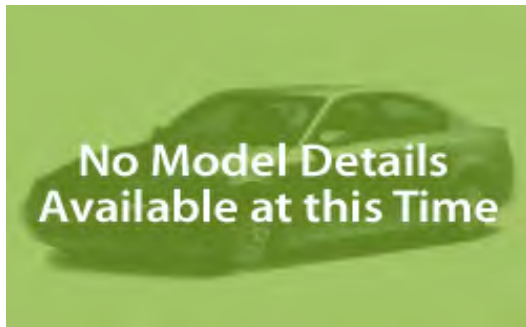
Mahindra



Mahindra
Expected 2010

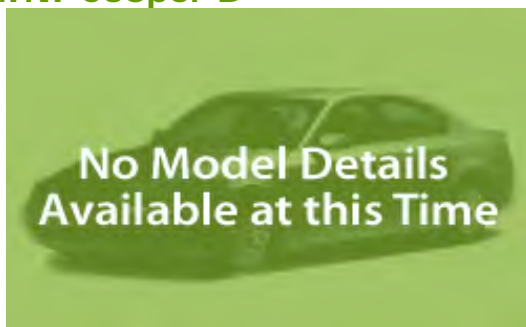
Mahindra is considering introducing a [small hybrid-diesel truck](#).

Mercedes



Mercedes has indicated they will introduce a [hybrid-diesel ML320](#) in the US.

MINI Cooper D



MINI is planning a [Diesel Engine](#), but has not indicated timing.

Nissan



Maxima Sedan
Arriving 2010

Nissan is co-developing a 50-state emissions compliant diesel engine with Renault. The company's announcement stressed diesel's potential to reduce emissions from several models offered by the company.

[Click here to learn more.](#)

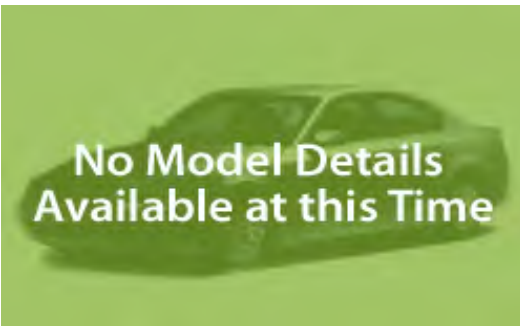
Smart Car CDI



Smart Car CDI
Expected 2010

Smart Car has been selling a diesel vehicle in Canada for three years. This [community blog](#) indicates that they may offer a version in the US by 2010.

Subaru



Subaru Imprezza/Forester
Arriving 2010

Forester and Imprezza [introduction](#) planned for 2010.

Toyota



Toyota does not currently sell any vehicles equipped with diesel engines in the United States.

[Tundra](#), [Sequoia](#), and [Land Cruiser](#) are offered with the 5.7-Liter V8 gasoline engine. Tundra and Sequoia will be offered with an all-new clean-diesel option in the near future.

[Click here for more details](#)

Toyota Tundra

Volkswagen



Rabbit – Potentially arriving late 2009

VW Rabbit

Volkswagen



VW Announced the TDI powered Bluesport Roadster at NAIAS. Read Volkswagen's [announcement](#) for more information.

VW Bluesport Roadster

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