BIODIESEL BASICS

Learn about renewable, sustainable biodiesel fuel

MICHIGAN ADVANCED BIOFUELS COALITION

Key benefits of biodiesel

Lower emissions compared to petroleum diesel
- *74% ↓ greenhouse gases**
- *67% ↓ hydrocarbons*

Made from renewable sources
- *Soybean oil*
- *Recycled cooking oil*
- *Other fats and oils*

Safer to handle
- *Non-toxic*
- *Biodegradable*
- *Higher flashpoint than petroleum diesel*

B20 is a drop-in replacement
- *Approved by major manufacturers*
- *No engine modifications required*
- *No additional infrastructure needed*

Better engine performance
- *Improved lubricity for less engine wear*
- *Higher cetane for smoother operation*
- *Less soot production for reduced wear on diesel particulate filters*
- *All-weather fuel*

Supports the U.S. economy
- *1.8 billion gallons produced annually*
- *65,000 jobs*
- *$780 million in economic opportunity*

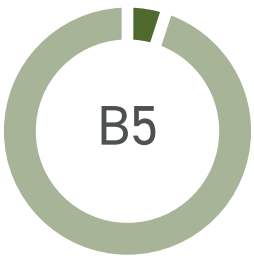
What is biodiesel?

Biodiesel is an advanced biofuel that reduces engine emissions for healthier air and a better environment. Fleets have easily and economically reduced their carbon footprint by replacing petroleum-based diesel with cleaner-burning biodiesel for over 30 years.

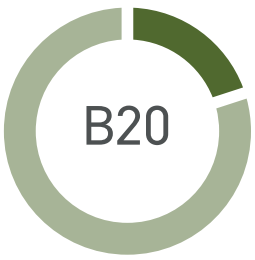
Communities benefit when transportation, construction, municipal and other fleets fuel with biodiesel.

Biodiesel blends explained

Biodiesel is typically blended with petroleum diesel for fueling vehicles and other equipment. B20 is a biodiesel blend widely adopted by fleets throughout the U.S. Fuel system modifications allow vehicles to use B100 in cold weather for even greater emission reductions



5% Biodiesel
95% Petroleum diesel



20% Biodiesel
80% Petroleum diesel

100% Biodiesel

**Source: U.S. Department of Energy Alternative Fuels Data Center*

Want to know more about biodiesel? Visit miadvancedbiofuels.com or contact Michigan Soybean Committee/Michigan Soybean Association at 989-652-3294 or soyinfo@michigansoybean.org.

MICHIGAN SOYBEAN COMMITTEE

MICHIGAN SOYBEAN ASSOCIATION