

BIODIESEL IN MISSOURI

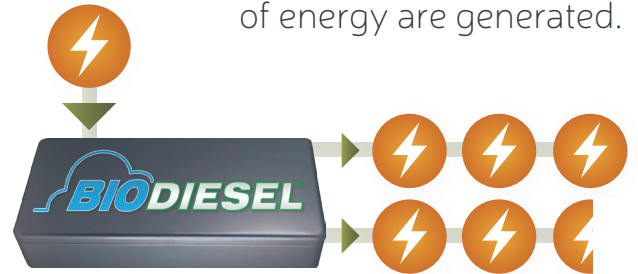
Biodiesel is a renewable, clean-burning fuel made from Missouri's top agricultural commodity—soybeans.

As the **second largest producer** in the nation, Missouri produces nearly 200 million gallons of biodiesel in **7 production facilities**.



ENERGY EFFICIENT

For every unit of energy invested into producing biodiesel, 5.5 units of energy are generated.



GREENHOUSE GAS

**86%
LESS**

PARTICULATES

**47%
LESS**

EMISSIONS

**67%
LESS**

CLEAN-BURNING

Biodiesel produces 86 percent fewer lifecycle greenhouse gases than petroleum diesel, creates 47 percent less particulate matter and reduces hydrocarbon emissions by 67 percent.



Biodiesel supports more than **3,200 JOBS** and has created **\$1.7 BILLION** in value-added benefit to Missouri's GDP since 2007.



AS BIODIESEL PRODUCTION **INCREASES**

THE PRICE OF SOYBEAN MEAL **DECREASES**

Livestock Farmers save nearly **\$1 billion** per year due to decreased prices of this important feedstock.



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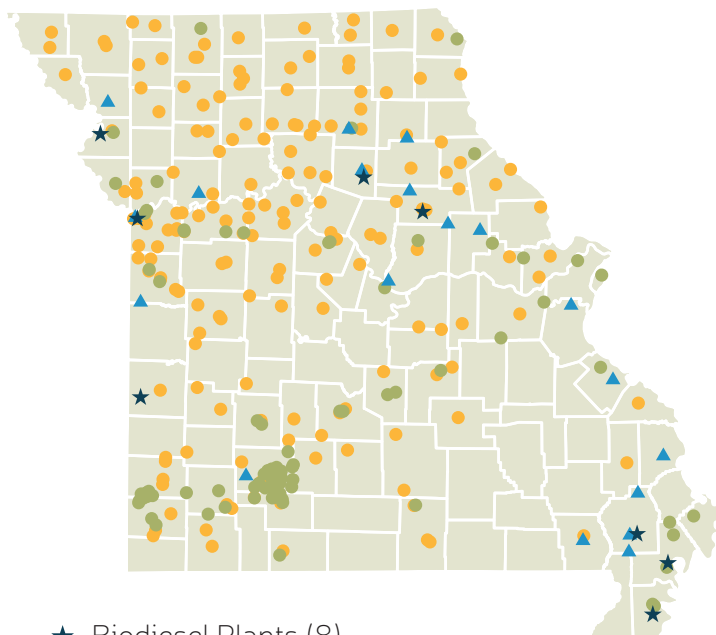
BIODIESEL IN MISSOURI



BIODIESEL PROVIDES
13%
PRICE SUPPORT
FOR SOYBEANS



MISSOURI BIODIESEL INFRASTRUCTURE MAP



- ★ Biodiesel Plants (8)
- ▲ Biodiesel Distributors (19)
- Biodiesel Retailers: Blends B6-B20 (104)
- Biodiesel Retailers: Blends <= B5 (187)

*Missouri Soybean Association (Updated September 2020)

Lower emission levels mean that biodiesel removes the equivalent of **2 million** passenger cars from Missouri's roads in one year of average driving.



BIODIESEL MYTH VS. FACT

- ✗ **MYTH:** Biodiesel does not perform as well as diesel.
- ✓ **FACT:** Biodiesel can be used in diesel engines in blends up to 20 percent and offers superior lubricity.
- ✗ **MYTH:** No objective biodiesel fuel standard exists.
- ✓ **FACT:** Just like gasoline and diesel, biodiesel has fuel quality specifications. In fact, Missouri's Department of Agriculture has one of the leading fuel quality testing programs in the nation.
- ✗ **MYTH:** Biodiesel use voids manufacturers' engine warranty.
- ✓ **FACT:** While engine warranties generally don't cover fuel, the majority of major engine companies include in their owners' manuals that biodiesel blends up to B20 meeting ASTM specifications will not void their parts and workmanship warranties.
- ✗ **MYTH:** Biodiesel is harmful to our health.
- ✓ **FACT:** Biodiesel is less toxic than table salt and biodegrades as fast as sugar if spilled.



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