Biodiesel and renewable diesel are low-carbon diesel-replacement fuels produced from renewable feedstocks such as used cooking oil, animal fats, inedible corn oil, soybean oil and canola oil.

**BIO DIESEL** is...
Produced through esterification or transesterification, a simple process that reacts a fat or oil with a small amount of alcohol (typically methanol) to produce a finished fuel.

A “drop-in” fuel that can be used in all engines and equipment up to 20% and many up to 100%.

Non-toxic, biodegradable, ultra-low sulfur and 0% aromatics

Better for engines due to higher cetane and improved lubricity.

Made to meet the requirements of ASTM D975 (B5), D7467 (B6-B20), and D6751 (B100).

**RENEWABLE DIESEL** is...
Produced through hydrotreating, a process similar to a traditional refinery operation. This high-heat, high-pressure process produces a fuel that is chemically indistinguishable from conventional diesel.

A “drop-in” fuel that can be used in all engines and equipment up to 100%.

Ultra-low sulfur and 0% aromatics.

Better for engines due to higher cetane.

Made to meet the requirements of ASTM D975 (all blends).

**BETTER TOGETHER...**
A combination of biodiesel and renewable diesel produces a cost-effective full replacement option for petroleum diesel. As a paired fuel, biodiesel and renewable diesel optimize petroleum displacement and cost, as well as particulate matter, carbon and nitrogen oxide reductions.

- Up to 86% less carbon emissions.
- 80% particulate matter reduction.
- 75% fewer aromatic compounds.
- 42% less carbon monoxide.
- NOx neutral.

- Up to 86% less carbon emissions.
- 29% particulate matter reduction.
- 39% fewer aromatic compounds.
- 23% less carbon monoxide.
- 9% NOx reduction.

- Up to 86% less carbon emissions.
- 56% particulate matter reduction.
- 53% fewer aromatic compounds.
- 30% less carbon monoxide.
- 6% NOx reduction.

**ABOUT BIODIESEL AND RENEWABLE DIESEL**
- Made from plant-based oils, used cooking oils, and animal fats
- Clean-burning, ultra-low carbon
- Can be used in any diesel engine without modification
- Commercially available nationwide
- Today’s solution for heavy-duty trucking, emergency vehicles, bus fleets, and farm equipment

Materials produced with generous support from the United Soybean Board, the Nebraska Soybean Board and other state soy checkoff programs.