

BioDiesel FAQ's

How much space do I need?

The BioDiesler will fit into just 20 square feet, you will need a total of about 200 square feet for storage, etc.

How much electricity do I need?

20 Amp/ 120volt service.

Where do I get the ingredients?

Chemical supply house will have both methanol and lye, auto race tracks & petroleum wholesalers often have methanol.

What permits do I need?

Talk to your fire marshal and local zoning office. The BioDiesler Handbook offers valuable tips.

Where can I put my BioDiesler?

A well ventilated, covered space with power and hot water.

How do I recover methanol?

A flash, plate, and/or vacuum pump system. Check the BioDiesel Works web site for more info.

What is ASTM Quality BioDiesel?

BioDiesel that has passed 14 different tests that ensures any diesel engine can use the fuel. Only ASTM quality spec. fuel can be sold.

BioDiesel Benefits

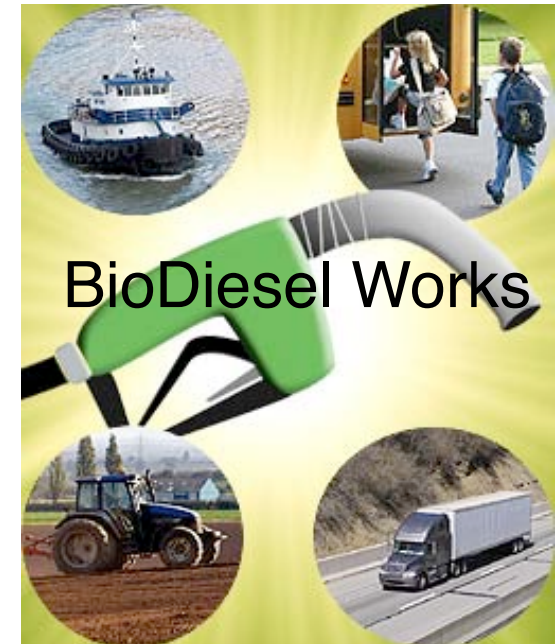
- Slows climate change
- Increases employment
- Improves human health
- No toxins in air & water
- Fuel independence
- Reduces imported oil
- Home grown
- Locally produced
- Electrical generation
- Home heating

BioDiesel Works, LLC

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BioDiesel Works offers hands on biodiesel training, call 360-647-1234 to learn more.



BioDiesel Works, BioDiesler processor is a powerful system designed to supply the fuel needs of farmers, truckers, fishermen, fleet operators, coops and families.

The BioDiesler processor includes all the equipment you need to safely and easily produce quality biodiesel from vegetable oil for about \$.65 a gallon.

Phone: 360-647-1234
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The BioDiesler



Bruce Barbour is Managing Partner of BioDiesel Works, LLC and has been designing, building and using biodiesel processors since 1999.

Make 50 gallons of "raw" BioDiesel in just one (1) hour of your time:

The BioDiesler has been designed to make quality biodiesel from vegetable oil easily and safely.

- (1) Add oil and turn on the Mix Oil and Heat Oil switches.
- (2) Add methanol and lye then turn on the Mix Methoxide switch.
- (3) Turn on the Inject Methoxide switch, mix oil, settle and drain glycerin.

The stand-alone BioDiesler can make 50 gallons of raw biodiesel every 12 hours or 50 gallons of ASTM quality biodiesel every 24 hours.

With added storage and settling tanks you can increase these amounts dramatically.

BioDiesler Features:

- Intrinsically safe design
- Easy to learn and use
- Heats oil throughout reaction
- Water washing and drying
- You can see what's going on!

Here is what you get.

- **85-gallon reactor tank:** w/ internal mixing, glycerin drain hose, pressure hose and quick release fittings.
- **Methoxide mixing system:** w/ built-in jet agitators, hands off sealed blending.
- **Methoxide injection system:** Hands off measured methoxide injection and mixing with heated oil.
- **Timer switch controls:** Simple, safe and accurate operation.
- **Thermostatically controlled:** low watt density 1800 watt/120v oil heating system.
- **WVO Screen:** filters out large food particles from oil.
- **Mist wash system:** simple, effective water wash, removes contaminants.
- **1 micron filtration and biodiesel drying system:** filters and dries fuel to 10X the ASTM spec.
- **4 mixing systems:** static mixer, pump mixer, mixing tee, jet agitators.
- **Lye funnel & methanol port:**
- **Sampling port & pump primer**



The BioDiesler Processor provides all the functions you need to make ASTM quality biodiesel from waste vegetable oil.

The BioDiesler's Handbook & Operators Manual: 140 pages of info you need to successfully produce biodiesel. Including chapters on "Collecting Quality WVO", "Titration", "Containment"