



ON FARM BIODIESEL WORKSHOP, JUNE 3, 2008
STATE LINE FARM, SHAFTSBURY VERMONT

9:00-Noon: Hands-On Instruction: Make Your Own Biodiesel

1:00-4:00 pm: Tour the On-Farm Biodiesel Facility and a Mobile Processor

Pre-Registration is Required

As farmers look for ways to cope with high energy costs, some are exploring ways to make their own fuel from agricultural products or byproducts, including waste vegetable oil or virgin oil from crops that can be grown locally. Come learn about how to do this, the issues involved, and see two different biodiesel processing systems in operation.

Piedmont Biofuels in North Carolina makes 4,000 gallons of biodiesel from poultry fat every day at their industrial plant and 500 gallons per week from used fryer oil at their farm plant. They also have a mobile biodiesel processor and oilseed crusher on tour as part of their educational mission. In the morning session, Matt Rudolf and Tim Angert from Piedmont will lead a hands-on workshop that explains the principles and practices of making biodiesel. Working in small groups, participants will make their own fuel, and discuss bench top fuel quality testing and post processing such as washing contaminants out of the fuel. The Piedmont Biofuels mobile processor will be processing a batch throughout the day, and participants will be able to observe the production process.

In the afternoon, visitors will break into groups and rotate through several stations. One will be a tour of the on-farm biodiesel facility at **State Line Farm** which recently made its first 300 gallon batch of fuel. Virgin oil is pressed on the farm from locally grown sunflower and canola seeds. The processes and equipment will be explained by John Williamson, farmer and owner of the facility, and Chris Callahan, an engineer working on the project to enhance its safety and to develop standard operating procedures. Another session will feature Piedmont's mobile biodiesel processor, led by Matt Rudolf, where participants can see an example of a combined heat and power biodiesel production system with continuous flow capability. A third session, led by Heather Darby of UVM Extension, will look at oil seed crops in the field and discuss production, variety trials, and research. A fourth session will discuss oil seed presses, their selection and operation. It will be led by farmers John Derick and Roger Rainville. Two different presses will be on hand. Finally, there will be a group discussion of the economics, safety, and quality issues of on-farm biodiesel production, led by Matt Rudolf.

Registration for the morning session costs \$15 and is *limited to 36 people*. Mail your contact info with a check to 'UVM Extension' 11 University Way, Brattleboro VT 05301, so it arrives no later than May 30. The afternoon session is free but please register by calling Vern Grubinger at 802-257-7967 x13 or email: vernon.grubinger@uvm.edu.

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Piedmont Biofuels
www.biofuels.coop



National Center for
Appropriate Technology
www.ncat.org



USDA Risk
Management Agency
www.rma.usda.gov



Carolina Farm Stewardship
Association
www.carolinafarmstewards.org

Directions to State Line Farm: Get to the village of N. Bennington VT. From the corner with the big brick bank, go west on Rt. 67 about ¼ mile, then bear right at the convenience store, onto White Creek Rd. Go 3 miles to State Line Rd. on the left, just before entering NY. The farm is about ½ mile up the dirt road, on the left.



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If you require accommodations to participate in this program please let Vern Grubinger, 802-257-7967 x13 or 1-800-278-5480, know by May 30, 2008.