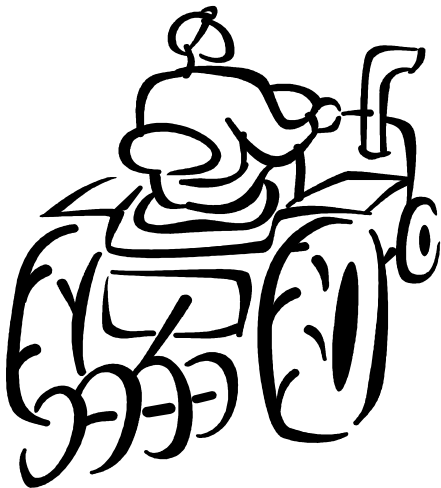


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EXTENSION
AGRICULTURE

Power Up 2.0 : Advances in On-Farm Fuel Production



Location: Stateline Farm, North Bennington Vermont

Hosts: John Williamson

Date: Thursday October 8 , 2009

Time: 10:00am -2:00 pm

The program is **\$15**. Lunch will be provided.

Please RSVP by October 4 to Heather Darby
@ 802-524-6501 or
heather.darby@uvm.edu



COMMUNITY



4-H & YOUTH



ENVIRONMENT



AGRICULTURE



FOOD



UNIVERSITY OF
VERMONT

EXTENSION

CULTIVATING HEALTHY COMMUNITIES

Advances in On-Farm Fuel Production

John Williamson at Stateline Biofuels has been producing fuel from farm grown ingredients since 2007. Since the start, John has been focused on being as energy efficient and environmentally sustainable as possible. Join John Williamson, Chris Callahan (Callahan Engineering), Netaka White (VSJF), and Heather Darby (UVM Extension) to learn about the exciting progress being made in approaches to on-farm fuel production!

Topics to be covered:

- ♦ **Oilseed Press and Fundamentals**– Get tips from experienced growers on different presses including Chinese and European models & how to get the best oil content.
- ♦ **Chemistry, Safety and Fuel Storage** -Safe storage of methanol and KOH, walk through the hazards of fuel production and basic personal safety gear, the value of Standard Operating Procedures, and an overview of what is happening inside the reactor when vegetable oil, alcohol and catalyst combine.
- ♦ **Glycerin Disposal and Use**– Tips on how to improve glycerin handling for your operation.
- ♦ **Feed from Seed**– Get an update on recent oilseed meal livestock feeding trials. Learn about the nutritional quality of oilseed meals.
- ♦ **Fuel Finishing**– Hear about several methods to finish fuel such as an Amberlite column vs. water wash.
- ♦ **On Farm Fuel Quality** - Learn about critical steps to making great fuel! What are the characteristics that are used to identify high quality fuel.



Stateline Biofuel Facility: John Williamson and Steve Plummer

**Thursday October 8, 2009
10:00am— 2:00 pm
Stateline Farm
601 State Line Rd
North Bennington, VT**

Directions:

Get to the village of North Bennington. From the corner with the big brick bank, go west on Route 67 about 1/4 mile. Turn right at the fork (convenience store is in middle of fork) towards White Creek NY. Go 3 miles to State Line Road on the left (just before Entering NY sign) The farm is 1/2 mile up the dirt road, on the left.