

Make Your Own Biodiesel - A Production Workshop

July 8th 2015

9am – 5pm

Clemson Madren Conference Center
240 Madren Center Dr., Clemson, SC 29634

Learn biodiesel production techniques, biodiesel safety and biodiesel quality control testing in this hands-on workshop with Clemson University Biofuels Coordinator David Thornton. We will begin the day at the Madren Conference Center for discussion and then travel to the nearby Cherry Crossing Research Center Biodiesel Facility where you will help produce a mini batch of biodiesel, a 45 gallon batch of fuel, on the Clemson mobile processing unit. Participants will learn essential safety and quality control monitoring procedures to produce quality clean domestic biodiesel.

INSTRUCTOR

David Thornton is a biofuels expert and Composting Facilities Manager with the Recycling Program at Clemson University. He is in demand as an expert speaker on biofuels and on-farm energy systems at venues such as the Carolina Farm Stewardship Association Conference and the Organic Growers School. While at Clemson, David has managed research projects on production of biofuels from algae and biodiesel production. He also managed a program to produce biofuel for campus fleet vehicles from waste oils, algal oils, and yeast oils as part of the campus initiative for Net Zero emissions. Before coming to Clemson, David managed the biodiesel production program for Piedmont Biofuels located in Pittsboro, NC.

AGENDA

- 9:00 Introductions
- 9:15 Biodiesel Basics and Safety
- 10:45 Leave for Cherry Crossing Research Facility
 - Testing Feedstock and Performing a Mini-Batch
 - Home and Commercial Production Technology
- 12:30 Return to Madren for Lunch (Seasons Restaurant)
- 1:30 Return to Cherry Crossing Research Facility
- 1:45 Post reaction processing and quality control testing
- 4:15 Demonstration of Equipment Running on Biodiesel
- 5:00 Adjourn

REGISTRATION AND COST

The cost to participate is \$12 for SC Extension Agents and personnel and \$35 for all other participants. Registration includes lunch.

To register please

visit: https://secure.touchnet.net/C20569_ustores/web/product_detail.jsp?PRODUCTID=1007

QUESTIONS?

Please contact Kelly Flynn Gilkerson – Kgilker@clemson.edu