GREENLIQUID&GAS Technologies

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10-10-10 Biochar and Waste-to-Energy Open House in Gainesville, FL

Green Liquid and Gas Technologies (GLGT), a Gainesville, Florida bioenergy company, held an open house and educational event on waste-to-energy and biochar, in coordination with 10-10-10 events around the world coordinated by the International Biochar Initiative (IBI) and 350.org. The importance of converting waste-to-energy and the value of biochar for soil amendment and carbon sequestration were themes of this event, which was the only Biochar 10-10-10 event in the Southeast, according to the IBI's listing. Approximately 50 people crowded into the company's warehouse to hear presentations and see Green Liquid and Gas Technologies' commercially available pyrolysis-gasifier in action.

Dr. Alex Green, GLGT Founder and CEO, speaks on Waste-to-Energy.

Packets of Biochar were given out at the event.

Jacob Gordon, 9th grader at Gainesville High, grandson of Alex Green, and IBI member, packages the biochar samples. Biochar can be dusty, hence the mask.

Dr. Nicholas Comerford, Director of the North Florida Research and Education Center of the University of Florida in Quincy, is doing research on the benefits of biochar for Florida soils, following years of research on biochar in Brazil. Comerford's center is the purchaser of the Green Pyrolyzer Gasifier (GPG) demonstrated at the open house. As explained by Comerford, elsewhere biochar has been shown to hold nutrients, foster beneficial microorganisms, and help convert compost to stable soil organic matter.

These soil improvement benefits would be particularly appropriate for Florida, since much of the state has sandy, acidic and infertile soils. Biochar also holds moisture, a needed benefit for Florida. As research soil scientists, Dr. Comerford and post docs are doing toxicity tests and other detailed soil chemical analyses with biochar in Florida soils.

At the Open House, Ms. Cindy O'Connell, O'Connell Consulting and University of Florida Trustee, spoke about Sustainable Environmental Initiatives. Mr. Bill Vasden Jr., USCJO and Florida Feedstock Growers Association, spoke on Commercial Biomass and Biofuel Feedstock Farming in Florida; Dr. Comerford, spoke on Soil Improvement and

TV Ch 20 reporter films the feedstock hopper.

Carbon Sequestration with Biochar; Dr. Andrew Zimmerman spoke on Biochar Research at the University of Florida, and Dr. Green spoke on Solid Waste to Energy by Advanced Thermal Technologies.

Considerable publicity for the 10-10-10 event was obtained, with Ch 20 WCJB, the ABC affiliate in Gainesville, doing a spot on the 6PM and 11PM news. The 6PM spot is viewable through a link from GLGT's website www.greenliquidandgas.com. For general information, contact marketing@greenliquidandgas.com or for technical information, contact aesgreen.glgt@cox.net.

Open House attendees examine the GPG while it is doing a run with wood chips from Ridgway Truss Company.

Biochar is extruded (approx. 25% of feedstock volume).

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