Expanded Production and Harvesting of Willow Biomass Crops in New York State
Over the course of 2013, commercial production of shrub willow biomass crops completed its first full year of northern New York State operations, representing the first successful large-scale deployment of willow crops in North America. This first season of operations began when 830 acres of new willow crops were planted near Cape Vincent, NY, and ended when 130 acres of existing crops were harvested. This harvest produced 2,500 tons of willow biomass chips that were delivered to ReEnergy’s biopower facility in Lyonsdale, NY. These operations were undertaken with support from the USDA’s Biomass Crop Assistance Program (BCAP), and a partnership with ReEnergy, LLC.

Two hundred additional acres of mature willow from pre-established crops (located near Boonville, NY, in Lewis and Oneida Counties) was incorporated into the BCAP program and will be harvested and delivered to ReEnergy biopower facilities in 2014, for a total of nearly 1,200 acres of active commercial willow crop production.

Summer 2014 Educator Training Program Applications Available
Bioenergy and Bioproducts Education Teaching Workshops will be held this summer at West Virginia University and Penn State. The workshops will be held from July 21–25, 2014 in Morgantown and University Park. The workshop provides professional development and hands-on teaching tools for educators (grades 6–16, in-service and pre-service teachers and extension educators) who want to learn and teach about Bioenergy systems currently in use and under development in the U.S. Funding from the U.S. Department of Agriculture provides scholarships for ten accepted applicants per site. The scholarships include a full waiver of the workshop registration fees and a full set of program kits to bring back to your classroom, and more. For a full program description, and to apply to the program, visit the website.

Sequestration of Carbon by Shrub Willow Offsets GHG Emissions
Researchers at Syracuse University and SUNY ESF developed a life cycle analysis model to estimate measurements of greenhouse gas emissions and carbon sequestration benefits for

Clockwise from upper left: Planting, outreach, harvesting and biopower production of shrub willow crops supported by SUNY ESF, USDA, NYSERDA and NEWBio in northern New York State.
several different shrub willow crop plant–harvest–storage–transport scenarios. Data from this study show a positive energy balance for shrub willow due to rapid growth rates and lower energy inputs as a perennial crop. Read more at FARM ENERGY.

BETO Updates Integrated Biorefineries (IBR) Map
The updated map's interactive features reveal additional information about each state’s IBR projects by identifying the types of technology used and the products manufactured at these facilities. IBR Interactive Map.

Sun Grant BioWeb Launched
BioWeb is a product of the Sun Grant Initiative and coordinated by the University of Tennessee. The revamped website provides general and technical information on biomass resources, and bioenergy and bioproducts and uses a content structure so users may access information based on their level of interest: at a glance, general, and technical.
Visit the new BioWeb.

UPCOMING EVENTS
April 8, 2014
NEWBio Webinar: On-Farm Oilseed Pressing for Fuel and Food
Speakers: Chris Callahan, University of Vermont
Doug Schauffler, Penn State
1 p.m., Eastern Time
Description and webinar access information.

May 13, 2014
NEWBio Webinar: Pennsylvania's Wood Energy Initiative
Speaker: Michael Palko, PA Dept of Conservation and Natural Resources
1 p.m., Eastern Time
Description and webinar access information.

May 21, 2014
2014 Bioenergy Short Course Offering: New Markets for Bioenergy Crops
Penn Stater Conference Center, State College, PA
Short course description and registration information.

UPCOMING CONFERENCES
Northeast Biomass Heating Expo
April 9–11, 2014
Portland, ME
Michael Jacobson (PSU), Sarah Wurzbacher (PSU) attending
Preliminary Program and Registration

Mid–Atlantic Biomass Heat & Power Conference
April 23–24, 2014
Gettysburg, PA
Program and Registration.

Northwest Wood–Based Biofuels+Co–Products Conference
April 28–30, 2014
Seattle, WA
Co–sponsored by NARA and AHB (NEWBio sister projects)
Program and Registration

11th Annual BIO World Congress
May 12–15, 2014
Philadelphia, PA
Tom Richard (PSU) attending
Program and Registration

4th Pan–American Congress on Plants and Bioenergy
University of Guelph, Ontario
June 4–7, 2014
http://my.aspb.org/page/Bioenergy2014

North Country Clean Energy Conference
LakePlacid, NY
June 4–6, 2014
Justin Heavey (SUNY ESF) attending
http://www.ncenergyconference.org

Woody Crops: Production Alternatives for Multiple Uses
10th Biennial Short Rotation Woody Crops Working Group Conference  
Seattle, WA  
July 17–19, 2014  
Justin Heavey (SUNY ESF), Larry Smart (Cornell) and Michael Jacobson (PSU) attending  
http://www.woodycrops.org/UpcomingMeetings/

International Poplar Symposium VI  
July 20–23, 2014  
Vancouver, BC  
John Carlson (PSU), Justin Heavy (SUNY ESF), and Larry Smart (Cornell) attending  
http://www.2014ipsvi.com/

Rural Sociology Society Annual Meeting  
July 30–August 1, 2014  
New Orleans, LA  
Theresa Selfa (SUNY–ESF) and Clare Hinrichs (PSU) attending  
http://www.ruralsociology.us/

National Association of Plant Breeders  
August 5–8, 2014  
Minneapolis, MN  
Stacy Bonos (Rutgers) attending  

2014 Extension Energy and Environment Summit  
September 23–25, 2014  
Iowa State University (Sponsored by CenUSA, a NEWBio sister project)  
Ames, IA  
Sue Hawkins (UVM), Michael Jacobson (PSU), Sarah Wurzbacher (PSU) attending  
http://www.2014e3.org/

National Advanced Biofuels Conference & Expo  
October 13–15, 2014  
Minneapolis, MN  

3rd International Frontiers in Biorefining Conference  
October 21–24, 2014  
St. Simons Island, GA  
http://www.frontiersinbiorefining.org

Archived Resources

View available archived Bioenergy Webinars at any time.  
View available archived Bioenergy Short Course presentations at any time.  
View NEWBio on YouTube.