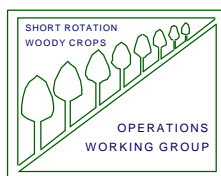

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Short-Rotation Woody Crops Operations Working Group NEWSLETTER



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Number Seven

May 2000

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THIRD BIENNIAL CONFERENCE

SHORT-ROTATION WOODY CROPS OPERATIONS WORKING GROUP

October 10-13, 2000
Wyndham Syracuse Hotel
Syracuse, New York

Hosted by

State University of New York
College of Environmental Science and Forestry

Sponsored by

NCASI
US DOE Oak Ridge National Laboratory
USDA Forest Service
Electric Power Research Institute
New York Center for Forestry Research and
Development
Short-Rotation Woody Crops Program at SUNY-ESF
IUFRO Working Unit 1.09.00

The third biennial conference of the SRWC-OWG will include tours of field trials and equipment operations as well as a forum for the exchange of ideas and information between practitioners, researchers, policy makers, landowners and other interested parties. Conference

topics will include:

- Operations management, research and development, site preparation, irrigation, weed management, nutrient management, planting, breeding and clonal selection, and pest management.
- Harvesting and processing of SRWC for various products
- Using SRWC for multiple benefits, including phytoremediation, wastewater treatment, nutrient management, erosion control, wildlife
- Environmental benefits and economic/policy considerations related to SRWC

Preliminary Agenda

Tuesday, October 10
4:00 - 6:00 Registration & Reception (Co-sponsored by American Cyanamid Company)

Wednesday, October 11
8:00 - 12:00 Technical sessions
1:00 - 5:00 Technical sessions

Thursday, October 12
8:00 - 5:00 Field tour including:
– Willow research trials & demonstration fields
– Planting & processing equipment
– Biomass co-firing at electric power plant
– Wine tasting
6:00 - 9:00 Dinner in scenic Finger Lakes Region

Friday, October 13
8:00 - 12:00 Technical sessions

Updates will be posted at the conference website.

Call for Papers and Posters

All abstracts should be submitted via e-mail to tavolk@mailbox.syr.edu, or by mail to Timothy Volk, 133 Illick Hall, SUNY-ESF, Syracuse, NY 13210.

Abstracts should be in Microsoft Word '95 format with Times New Roman font size of 12. Abstracts should be brief and informative and follow these guidelines:

- Body of the abstract not to exceed 175 words
- Title should be boldface uppercase and centered
- Author(s) listed by first name, middle initial, last name; centered with presenter's name boldfaced
- Indicate affiliation, address, zip code and e-mail address; italicized and centered
- Left justified text body with 1.5 inch margins

Abstract deadline is August 1, 2000

Proceedings

All abstracts (presentation or poster) submitted by August 1, 2000 will be published and available at the meeting. Written papers must be submitted at the time of the conference for publication in the proceedings. Guidelines for paper submissions will be circulated to authors at a later date.

Accommodations

A block of rooms at the Wyndham Syracuse Hotel have been reserved at \$99 for conference participants. You must specify that you are attending the "National Short-Rotation Woody Crop Group" meeting when you register and request the appropriate rate. A \$75 per night rate is available for government employees, a valid government ID must be presented at check-in. Reservations may be made by calling 315-432-0200. Cut-off date is September 19, 2000.

Registration and Fees

Preregister by returning the attached registration form with your registration fee. Or you may register by phone by calling ESF Continuing Education at (315) 470-6891 or by faxing the form to (315) 470-6890.

Registrations and payment must be postmarked by September 26, 2000 to qualify for the early discount. Government or corporate purchase orders received by the deadline also qualify for the early discount.

The conference fee is \$160 if submitted by September 26 and \$195 afterward. The conference fee is payable to: Research Foundation of SUNY.

Employer ID#141 368 361

VISA or Mastercard accepted.

The conference fee includes \$20 membership fee in The Short-Rotation Woody Crops Operations Group, the technical sessions and the field tour.

SUNY-ESF reserves the right to cancel any program in the event of insufficient registrations. A full refund will be given if a program is canceled. Participants who wish to withdraw must give written notice one week in advance to receive a full refund. After that date a \$25 cancellation fee will be charged. Substitutions are permissible at any time.

Questions/additional information

Call ESF Continuing Education at (315) 470-6891 or visit the conference website at <http://www.esf.edu/outreach/conted/conferences/woodycrops.htm>

BIOENERGY FEEDSTOCK DEVELOPMENT PROGRAM

Below is a summary of the research activities of the BFDP. Information on any of the activities mentioned is available on request.

The U.S. Department of Energy's (DOE) Bioenergy Feedstock Development Program (BFDP) is a mission-oriented program of research and analysis whose goal is to develop and demonstrate environmentally acceptable crops and cropping systems for producing large quantities of low-cost, high-quality biomass feedstocks. Oak Ridge National Laboratory has provided technical leadership and field management for BFDP since DOE began energy crop research in 1978. The program now supports research about: Fast Growing Trees, Grasses (Herbaceous Crops), Environmental Implications, and Resource Analyses and Economic Assessments.

BFDP has screened more than 125 tree and nonwoody species and selected a limited number of model species for development as energy crops. At least 30 universities, 5 U.S. Department of Agriculture (USDA) research units, and 4 private industries or businesses have been long-term (5 years or more) participants in BFDP research. Many BFDP projects receive significant cost-sharing from other public and private sources.

BFDP researchers lead the nation in applying biotechnology to hardwood tree species, including tissue culture propagation techniques, genetic transformation, and genetic mapping. BFDP's crop development research is complemented by resource assessments, economic analysis, and environmental research and analysis that provide the information needed to demonstrate and commercialize biomass energy systems. Current projects and cooperators include:

South Central and Southeast Region

Basic switchgrass genetics & physiology research – Oak Ridge National Laboratory, University of Tennessee, Texas A&M University, Oklahoma State University

Midsouth switchgrass variety trials & crop management studies – Auburn University, University of Georgia

South Central switchgrass variety trials & crop management studies – Texas A&M University, USDA-Agriculture Research Service, USDA-Agriculture Extension, USDA-Plant Materials Centers

South Central switchgrass breeding and selection – Oklahoma State University

Southeast switchgrass breeding and evaluation – University of Georgia

Switchgrass biotechnology – University of Tennessee, Oak Ridge National Laboratory

Upper Southeast switchgrass variety trials & crop management studies – Virginia Tech University, University of Tennessee, University of Kentucky, West Virginia University

Physiology, biochemistry and subsurface nutrient movement in irrigated short rotation woody crops – Oak Ridge National Laboratory, Union Camp Corp., U.S. Forest Service

Poplar breeding for the Southeast – U.S. Forest Service, Mississippi State University, Louisiana State Univ, Univ of Florida, Boise Cascade Corp., Champion International Corp., International Paper Co., International Forest Seed Co., James River Corp., Scott Paper Co., Union Camp Corp., Westvaco Corp.

Effects of energy crops on soil erosion – Alabama A&M University, Tennessee Valley Authority, Mississippi State University, University of Tennessee

Environmental monitoring – National Audubon Society, Union Camp Corp., Clark University

Use of pulp mill residues as soil amendments – National Council for Air & Stream Improvement, Clemson University

North Central Region

Bird & mammal use of poplar plantations – U.S. Forest Service, University of Minnesota, Natural Resources Research Institute, WesMin Resource Conservation & Development District

Clonal trials of hybrid poplars (field sites in four states) – U.S. Forest Service, Iowa State University, University of Minnesota, University of Wisconsin, Michigan State University, Wisconsin Dept. of Natural Resources

Hybrid poplar disease monitoring and studies in Northcentral Region – U.S. Forest Service, Iowa State University, University of Minnesota, University of Wisconsin, Michigan State University

Wood Energy Scale-up Project – WesMin RC&D Council, USDA, U.S. Forest Service, University of Minnesota, MN Dept. of Natural Resources, Agricultural Utilization Research Institute

Poplar breeding for North Central region – Iowa State University, Iowa Dept. of Natural Resources

Nutrient, water, and pesticide cycling in energy crops – U.S. Forest Service, University of Minnesota, Natural Resources Research Institute

Soil characterization under short rotation woody crops – U.S. Forest Service, University of Minnesota-Duluth, Natural Resources Research Institute

Watershed level water quality modeling for energy crops – Purdue University

Switchgrass development for Midwest/Plains – U.S. Department of Agriculture, Agricultural Research Service, Iowa State University, Purdue University, University of Nebraska, South Dakota State University, University of Wisconsin

Switchgrass scale-up, agronomic and economic research – Iowa State University, Chariton Valley RC&D Council

Pacific Northwest Region

Poplar molecular genetics cooperative – University of Washington, James River Corp., Boise Cascade Corp., Georgia Pacific Corp., Washington State University, Alberta Pacific, U.S. Forest Service Rhinelander, British Columbia Ministry of Forests, MacMillan Bloedel of America, Nippon Paper Co., Weyerhaeuser Co., Scott Paper Ltd.

Physiological bases of disease resistance in poplars – Washington State University and University of Idaho

Tree genetic transformation cooperative – Oregon State University, Weyerhaeuser, Potlatch, Crown Pacific Corp., Boise Cascade Corp., Willamette Industries, James River, MacMillan Bloedel, Union Camp Corp., Georgia Pacific Corp.

Northeast Region

Development of hybrid willow production systems – State University of New York, Niagara Mohawk Power Corp., NY State Electric & Gas Corp., NY State Energy Research & Development Authority, Electric Power Research Institute, Empire State Electric Research Corp., Burlington Electric Dept., U.S. Forest Service

National and International Projects

Modeling of energy crop production and agricultural residues – Oak Ridge National Laboratory, University of Tennessee

Switchgrass Regional Performance and Evaluation – U.S. Department of Agriculture, Natural Resources Conservation Service Testing Centers

Waste and residue assessments – Oak Ridge National Laboratory, University of Tennessee, Regional Biomass Energy Program, National Renewable Energy Laboratory

IEA Short Rotation Crops Task – Oak Ridge National Laboratory and many of the previously listed organizations

website:

<http://www.rtp.srs.fs.fed.us/econ/>

CHR PLANTER – UPDATE

The Patent application for the 2000 CHR Design Tree planter has been registered. The Planter in its existing form plants cuttings from any plant that uses cuttings 9" long by 3/8 to 3/4 diameter. It is a two row machine that mounts on the three point lift of a John Deere tractor. The row spacing is currently 8', 10', or 12' row spacing. The in the row spacing is either set by the drip hose nozzle spacing or by the input from a pulse generator. The current pulse generator allows spacings in increments of 2". Because the spacing is set through a programable controller in the future it will be possible to set the spacing with a GPS system.

OTHER MEETINGS

21ST SESSION OF THE INTERNATIONAL POPLAR COMMISSION OF FAO

Portland, Oregon

September 24 - 30, 2000

Poplar and Willow Culture:

Meeting the Needs of Society and the Environment

Hosted jointly by the USA and Canada

Technical sessions will focus on poplar biotechnology, operational poplar plantations, aspen silviculture growth and utilization, pathology and the status of natural poplar populations. A mixture of formal presentations, discussions and poster sessions will compose the technical part of the program. In addition, a series of field trips will give participants an opportunity to visit, and discuss on-site, field applications/demonstrations of poplar and aspen culture. This meeting provides an ideal opportunity to communicate poplar-related.

For additional information contact:

Jud Isebrands, Forestry Sciences Laboratory

5985 Highway K

Rhinelander, Wisconsin 54501

Tel: (715) 362-116; Fax: (715) 362-1166

email: jisebran@newnorth.net

or

Jim Richardson, Poplar Council of Canada

1876 Saunderson Drive

Ottawa, Ontario K1G 2C5

2000 RPA TIMBER ASSESSMENT

You can view preliminary draft projections for the 2000 RPA timber assessment at the following Forest Service

Tel: (613) 521-1995 Fax: (613) 521-1997
email: jrichardson@on.aibn.com

**49TH ANNUAL
NORTH CENTRAL FOREST PEST WORKSHOP**

September 25-28
Holiday Inn
Rhineland, Wisconsin, USA

The theme of the workshop is implementation of forest pest management to protect the diverse values that our forests provide.

For information contact:
Kyoko Shimizu at 715-365-8934
email: shimik@dnr.state.wi.us
<http://willow.ncfes.umn.edu/ncfpw00/ncfpw00.htm>

**BIOENERGY 2000:
MOVING TECHNOLOGY TO THE
MARKETPLACE**

*October 15-19, 2000
Adam's Mark Hotel
Buffalo New York*

The deregulation of the electric industry, the tightening of environmental regulations, the emergence of new technologies, and the recognition of the importance of agriculture in meeting our energy needs provide an exciting backdrop for the first bioenergy conference of the twenty-first century. Bioenergy 2000 is the ninth biennial conference hosted by the U.S. Department of Energy's Northeast Regional Biomass Energy Program.

Information about Bioenergy 2000 can be found at
<http://www.nrbp.org/bio2000.htm>

**SOCIETY OF AMERICAN FORESTERS
NATIONAL CONVENTION**

November 16-20
Washington Hilton & Towers
Washington DC, USA

The SAF celebrates a milestone – 100 years of service to the forestry profession. For more information:
<http://www.safnet.org/calendar/natcon.htm>

sponsors of the SRWC-OWG. Their contribution to the Working Group is most appreciated.

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Morbark, Inc.
Netafim Irrigation
Westvaco Corporation

INFORMATION

SRWC - OWG Web Page:
<http://www.woodycrops.org/>

For membership services:
Bob Perlack; Oak Ridge National Laboratory
Post Office Box 2008; Oak Ridge, TN 37831-6205
Phone: (423) 574-5186, Fax: (423) 574-8884
perlackrd@ornl.gov

For dues information:
Jim Shepard; NCASI
Post Office Box 141020; Gainesville, FL 32614-1020
Phone:(352) 377-4708 ext 227, Fax: (352) 371-6557
jshepard@ncasi.org

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Third Biennial Conference
SRW - Operations WorkingGroup**

Name _____

Organization _____

Address _____

City _____

State _____ Zip _____ Country _____

email _____

Phone _____ Fax _____

Please check the appropriate boxes

I plan to attend both the presentations and tour.

I plan to attend the technical presentations only.

I plan to attend the field tour only.

I would like to present

a paper a poster

Title _____

Enclosed is my conference fee.

Register for October 10-13, 2000

\$160 early registration discount;

\$195 after Sept. 26

Register me for October 10, 11, 12, 13

(Circle day)

\$65/ day

Credit Card Payment VISA Mastercard

Account Number _____

Signature _____

Exp. Date _____

Mail form to:

ESF Continuing Education,

SUNY College of Environmental Science &

Forestry, Syracuse, NY 13210-2784

FAX (315) 470 - 6890

Registration Deadline September 26, 2000.

**SRWC OPERATIONS WORKING GROUP
MEMBERSHIP REQUEST FORM**

Name _____

Position _____

Company/Organization _____

Address _____

Phone _____

Fax _____

e-mail _____

Areas of Responsibility _____

SRWC Interests _____

Will Will not allow this information to be published/placed on homepage.

Please complete and return to:

Jim Shepard

NCASI

P.O. Box 141020

Gainesville, FL 32614-1020

Please make your check payable to NCASI (memo: SRWC Working Group).
