



<http://bioenergy.illinois.edu>

College of ACES at the University of Illinois

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CABER Provides Framework for Sustainable Cross-Disciplinary Bioenergy Research



Miscanthus, a perennial grass that can be burned for fuel or converted to ethanol, is harvested on the University of Illinois research plot.

Established in 2006, the Center for Advanced BioEnergy Research (CABER) at the University of Illinois, College of ACES provides a framework for bioenergy-related research and scholarship at the U of I. It also helps facilitate cross-disciplinary research, education, and outreach programs that promote the use of biorenewable resources. CABER also provides science-based information to external stakeholders in the bioenergy industry.

The new technologies will create opportunities and new crops for farmers and expertise needed for industry to produce sustainable renewable energy sources.

Current and future CABER projects include:

Research: Partner in the Multi-State Project NC506: Sustainable Biorefining Systems for Corn in the North Central Region: investigating key sustainability questions in corn ethanol biorefining

CABER Seminar Series in Bioenergy Research: 11 seminars on bioenergy research presented on campus and to public - Spring 2008

U of I Graduate Student Curriculum: Professional Science Master's Curriculum in Bioenergy - Fall 2009

Initiative for Bioenergy Education and Training (IBET) Grant Proposal to Department of Labor: Partnered with University of Illinois Chicago and others to develop training and education at the K12 to University level

CABER Steering Committee:

- Illinois Livestock Development Group
- Illinois EPA
- National-Corn-to-Ethanol Research Center
- USDA
- Illinois Department of Commerce & Economic Opportunity
- Archer-Daniels-Midland Company
- Tate & Lyle
- IBIO
- GENECOR International
- Illinois Soybean Association
- Rund Farms
- Illinois State University
- Argonne National Laboratory
- Illinois Corn Marketing Board
- The Andersons Agriservices, Inc.
- AmerenEnergy Fuels & Services
- University of Illinois at Chicago

Center Activities: Seminars, Symposia, Workshops, Short Courses, U of I Environmental Horizons Summit

US-Brazilian Joint Research Initiative: Helping facilitate multi-disciplinary research: UIUC & University of Sao Paulo, Brazil Initiative in Bioenergy

Integrated Bioprocessing Research Lab - (IBRL): for scale up testing of first and second generation biofuels technologies developed on the UIUC campus in collaboration with various departments and the IGB

USDA's BioEnergy Awareness Days: U of I was selected and CABER coordinated exhibits in DC- June 2008