IOWA STATE UNIVERSITY RESOURCES SUPPORTING BIOECONOMY TECHNOLOGY COMMERCIALIZATION

Five programs at Iowa State University offer facilities and services for commercialization of agricultural processing technologies. The facilities and expertise cover bench-scale to pre-commercial scale projects, which can be structured as fee for service, equipment, and/or space; faculty-industry collaborations; or faculty-led.

BIORENEWABLES RESEARCH LABORATORY

1140 Biorenewables Research Laboratory, Ames, Iowa 50011
515-294-7934, bei@iastate.edu, www.biorenew.iastate.edu

The Biorenewables Research Laboratory (BRL) is a new $32 million research and teaching laboratory building that offers bench-scale biomass research facilities for fuels, chemicals and energy. BRL facilities are available for:

› Thermochemical conversion of biomass
› Biological and chemical catalysis
› Syngas fermentation
› Biomass and bio-oil analysis
› Biochar characterization

CENTER FOR CROPS UTILIZATION RESEARCH

1041 Food Sciences Building, Ames, Iowa 50011
515-294-0160, ccur@iastate.edu, www.ccur.iastate.edu

The Center for Crops Utilization Research offers a variety of small pilot-scale biofuels, biobased products, feed and food processing research capabilities in:

› Wet and dry processing
› Industrial products processing
› Hazardous solvents extraction
› Process development
› Fermentation facility (rated BL2) (up to 100 liters)
› Antimicrobial and prebiotic properties testing
› Test kitchen and sensory facilities
› Business incubator

Iowa State University does not discriminate on the basis of race, color, age, ethnicity, religion, national origin, pregnancy, sexual orientation, gender identity, genetic information, sex, marital status, disability, or status as a U.S. veteran. Inquiries can be directed to the Office of Equal Opportunity, 3350 Beardshear Hall, (515) 294-7612.
**BIOMASS ENERGY CONVERSION FACILITY**

1521 West F Avenue, Nevada, Iowa 50201  
515-382-1774, nolson@iastate.edu, www.iowaenergycenter.org/becon

The Iowa Energy Center Biomass Energy Conversion facility (BECON) offers opportunities for larger pilot-scale research, demonstration and training as well as support for the commercialization of biobased technologies. BECON offers:

- Business incubator/office space  
- Biodiesel production (400,000 gallons/year)  
- Highbay processing space  
- Dry storage  
- Wet lab with fume hoods  
- Thermal gasification (500 pounds/hour)  
- Anaerobic digestion (1,500 and 6,000 gallons)  
- Supercritical fluid units (batch and continuous)  
- City utilities, compressed air, chilled water, N₂, O₂

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**BIOMASS ENERGY CONVERSION FACILITY**

1327 U Avenue, Boone, Iowa 50036  
515-296-6300, bcrf@iastate.edu, www.biocenturyresearchfarm.iastate.edu

The BioCentury Research Farm (BCRF) offers opportunities for medium pilot-scale research in biomass production, harvest, transport, storage, and preparation; biorefinery processing and laboratory testing. BCRF facilities include:

- Biomass production (1,000+ acres)  
- Dry biomass feedstock storage  
- Biomass feedstock preparation  
- Biomass chemical pretreatment  
- Wet and dry fractionation  
- Fast pyrolysis and thermal gasification (200 kg/day)  
- Fermentation and distillation  
- Cold storage  
- Business incubator  
- Office space

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**ISU RESEARCH PARK CORPORATION**

2711 South Loop Drive, Suite 4050, Ames, Iowa 50010  
515-296-PARK, stc@iastate.edu, www.isupark.org

The ISU Research Park (ISURP) is a 230-acre development with 430,000 square feet of developed building space currently serving 60+ tenants and employing 1,200. The ISURP serves tenants and/or affiliates of any size, from start-ups to multinational corporations, offering incubation and suite space, shared equipment and conference rooms as well as university and area connections. While closely connected with the university, the ISURP is operated independently to help tenants reach proprietary goals. The Pappajohn Center for Entrepreneurship, located at the ISURP, provides business development assistance to incubation and growth stage companies. The ISURP is currently undergoing a significant land expansion that will account for an additional 100+ developable acres.