

CAES Bioenergy Initiative





The Center for Advanced Energy Studies is a research partnership between Boise State University, Idaho National Laboratory, Idaho State University, and University of Idaho.

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Bioenergy



Feedstocks for Idaho

Higher oil prices, government investment, and other factors are fueling a renewed interest in biofuel and other bioenergy products. Efforts are underway across the United States to turn corn, straw, and other feedstocks into viable products.

Some of the biggest barriers, however, are cost and the perceived effect on food supplies when fertile ground is used to grow feedstocks.

Center for Advanced Energy Studies (CAES) scientists are working to resolve these issues through a targeted research agenda.

They are focused on converting regional feedstocks such as agricultural and forestry waste products into biofuel, fertilizer, and other usable materials. In addition, CAES researchers are evaluating various oilseeds as potential feedstocks for Idaho and the region.

Unique Capabilities



Current Research

CAES bioenergy researchers are:

- Working with the Innovation Center for U.S. Dairy to reduce greenhouse gas emissions through testing and implementation of anaerobic digestion technologies at Idaho dairies.
- Partnering with the city of Meridian, Idaho to pilot anaerobic technologies for treatment of wastewater.
- Conducting life cycle analyses to evaluate feedstocks, their environmental impacts, which products they can be converted into, the most efficient processes to convert them, and the cost do so.

Quick Facts

- CAES bioenergy researchers have decades of experience in converting waste and other biomass into energy and usable products.
- The CAES bioenergy team is comprised of researchers from all four partner institutions – Boise State University (BSU), Idaho National Laboratory (INL), Idaho State University (ISU), and University of Idaho (UI).

For More Information

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