



National Institute of Food & Agriculture

www.nifa.usda.gov



Mission: To advance knowledge for agriculture, the environment, human health and well being, and communities

Program leadership to identify, develop, and manage programs to support university-based and other institutional research, education, and extension activities

Fair, effective, and efficient administration of Federal assistance implementing research, education, and extension awards and agreement



National Institute of Food & Agriculture

INSTITUTE OF FOOD PRODUCTION AND SUSTAINABILITY

- Enhancing global food security through productive and sustainable agricultural systems.

INSTITUTE OF BIOENERGY, CLIMATE, and ENVIRONMENT

- Ensuring energy independence through clean, bio-based energy systems.
Ensuring sustainable and adaptive agro-ecosystems in response to climate change.

INSTITUTE OF FOOD SAFETY AND NUTRITION

- Ensuring a safe food supply. Improving citizens' health through nutrition.
Reducing childhood obesity. Improving food quality.

INSTITUTE OF YOUTH AND COMMUNITY DEVELOPMENT

- Enabling vibrant and resilient communities. Preparing the next generation of scientists. Enhancing science capacity in minority serving institutions.
Enhancing youth development.



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Small Business Innovation Research

Research for the development of a profit-making technology, product, or service

Two-phase program - feasibility and development

up to \$100,000 (Phase I);
\$500,000 (Phase II)

Small businesses of 500 employees or less

Biofuels, Biobased Products topic

Request for Phase I applications closes September 2, 2010



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Agriculture and Food Research Initiative

FY 2010 \$262 M for 5 Challenge Areas

\$45 M for Regional Approaches to Sustainable Bioenergy; July 9

Focus on 5 dedicated energy crops produced with a systems-based approach

Multidisciplinary approach that leverages existing efforts in govt, industry, academia

Perennial grasses, energy cane, woody biomass, sorghum, oil crops (including algae)



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Biomass Research & Development Initiative

Joint USDA/DOE Program

\$28M (USDA) + \$5M (DOE) = \$33M in
2010 closing date July 13

Three technical areas must be integrated:
(A) feedstock development (B) biofuels and
biobased products (C) biofuels analysis

Applications must involve consortia of
institutions, disciplines, and technologies



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Biomass Research & Development Initiative

Funding range: \$3M minimum - \$7M maximum

Small scale gasification and pyrolysis RD&D

Local-scale woody biomass-to-energy; generation of electricity and useful heat

Biobased products; field demonstration of biobased products



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Biomass Research & Development Initiative

FOA jointly developed by USDA and DOE; approved by Biomass Board

DOE Golden Field Office –
preapplication process

USDA-NIFA – invited full application
process

Final selections based on highest
ranked proposals/program policy factors





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Biomass Research & Development Initiative

Federal Register notice for comment
on interim rule - BRDI

Rule-making describes how
agencies implement law

BRDI interim draft rule follows 9008
which gives flexibility

Federal Register /Vol. 75, No. 113
Monday, June 14, 2010 /Rules and
Regulations 33497