



National Institute of Food and Agriculture
www.nifa.usda.gov

Introduction to NIFA and AFRI

Debby Sheely
Deputy Administrator, NIFA

INVESTING IN SCIENCE | SECURING OUR FUTURE



National Institute of Food and Agriculture
www.nifa.usda.gov



National Institute of Food and Agriculture (NIFA)

- **2008 Farm Bill**
- **NIFA replaces CSREES**
- **Effective October 1, 2009**
- **Agency head appointed to 6-yr term by President --Roger Beachy**
- **CSREES authorities incorporated into NIFA**



National Institute of Food and Agriculture
www.nifa.usda.gov



Five focal areas:

- **Global Food Security and Hunger**
- **Climate Change**
- **Sustainable Bioenergy**
- **Childhood Obesity**
- **Food Safety**



National Institute of Food and Agriculture
www.nifa.usda.gov



Institute of Food Production and Sustainability

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



National Institute of Food and Agriculture
www.nifa.usda.gov



Institute of Bioenergy, Climate, and Environment

- *Ensuring energy independence through clean, biobased energy systems*
- *Ensuring sustainable and adaptive agro-ecosystems in response to climate change*



National Institute of Food and Agriculture
www.nifa.usda.gov



Institute of Food Safety and Nutrition

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



National Institute of Food and Agriculture
www.nifa.usda.gov



Institute of Youth, Family, and Community

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



National Institute of Food and Agriculture
www.nifa.usda.gov



INVESTING IN SCIENCE | SECURING OUR FUTURE

Center for International Programs



National Institute of Food and Agriculture
www.nifa.usda.gov

Agriculture and Food Research Initiative (AFRI)

INVESTING IN SCIENCE | SECURING OUR FUTURE





National Institute of Food and Agriculture
www.nifa.usda.gov



AFRI

- Combines aspects of National Research Initiative (NRI) and Initiative for Future Agriculture and Food Systems (IFAFS)
- Effective FY 2009 (October 1, 2008)
- Authorizes funding for fundamental research, applied research, education, extension, and integrated projects
- Funding FY 2010: \$262 million (up ~\$61 million)



National Institute of Food and Agriculture
www.nifa.usda.gov



AFRI Challenge Area RFAs

- Global Food Security and Hunger - \$20 million
- Climate Change - \$ 40 million
- Sustainable Energy - \$32 million
- Childhood Obesity Prevention - \$25 million
- Food Safety - \$20 million

Grants for research, education, extension and integrated research, education and/or extension – range of award sizes, up to \$9 million/year (continuation grants)



National Institute of Food and Agriculture
www.nifa.usda.gov



AFRI Foundational Programs RFA

1. Plant health and production & plant products
2. Animal health and production & animal products
3. Food safety, nutrition, and health
4. Renewable energy, natural resources, and environment
5. Agriculture systems and technology
6. Agriculture economics and rural communities

Grants for research projects only – awards generally \$500,000 in total



National Institute of Food and Agriculture
www.nifa.usda.gov



NIFA Fellowships Program RFA

- Anticipated release in April, 2010
- Pre-doctoral fellowships: \$75,000 for two years of support (stipend, tuition, fees, fringe, travel)
- Post-doctoral fellowships: \$130,000 for two years of support (primarily salary, but also supplies, travel, etc.)
- Projects to focus on Challenge Areas
- Eligibility: U.S. citizens, nationals, and green card holders



Award Types

- Single Function: Research, Education, Extension (Standard and CAP)
- Multi-Functional: Integrated research, education and/or extension (Standard and CAP)
- Conference
- Food and Agricultural Science Enhancement
- Planning/Coordination



National Institute of Food and Agriculture
www.nifa.usda.gov



Mandatory Programs and Funding

FY 2010

- Biomass Research and Development \$28 M
- Specialty Crops Research Initiative \$50 M
- Organic Agriculture Research & Extension Initiative \$20 M
- Beginning Farmers and Ranchers \$19 M



National Institute of Food and Agriculture
www.nifa.usda.gov



NIFA Website: www.nifa.usda.gov

Deborah Sheely, Deputy Administrator
Competitive Programs Unit
(202) 401-5024
dsheely@nifa.usda.gov