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An Overview of Integrated Research, Education, and Extension Programs

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<p>Integrated</p> <p>Research</p> <p>Education</p> <p>Extension</p>	<p>To bring the three functions of the agricultural knowledge system around a problem area or issue</p>
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NIFA's Integrated Programs

The three functions should:

- Be interwoven throughout the life of the project
- Complement and reinforce one another
- Be interdependent and necessary for the success of the project



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NIFA's Integrated Programs

- Agriculture and Food Research Initiative
- Section 406 Integrated, Research, Education, and Extension Competitive Grants Program
- Specialty Crop Research Initiative
- Organic Agriculture Research and Extension Initiative
- Regional Integrated Pest Management
- International Science and Education Competitive Grants Program



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Agriculture and Food Research Initiative (AFRI)



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AFRI Integrated Programs

- Fundamental and applied research
- Education
- Extension
- **Integrated research, extension, and/or education**



AFRI Integrated Programs

Authorized for appropriation of \$700 million for each of fiscal years 2008 through 2012

No less than 30% will be made available for integrated programs



AFRI Integrated Eligibility

Colleges and universities, 1994 land-grant institutions, and Hispanic-serving agricultural colleges and universities



AFRI Grant Types

- Standard Grants
- Coordinated Agricultural Project Grants
- Planning/Coordination Grants
- Conference Grants
- Food and Agricultural Science Enhancement Grants (FASE)
 - Pre- and Postdoctoral Fellowship Grants
 - New Investigator Grants
 - Strengthening Grants

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Key Points for AFRI Integrated Projects

- Must include two of the three functions (research, education, and/or extension)
- Applications must contain objectives for each function in the project
- Must budget sufficient resources to carry out the set of research, education, and/or extension activities
 - No more than 2/3 on a single function

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Key Points for AFRI Integrated Projects

- Applications must provide the elements of a logic model (e.g., activities, outputs, and outcomes) in narrative form or logic model chart
- Must include individuals on the project team with significant expertise in each component of the project
- Applications must contain a clearly articulated management plan to ensure efficient functioning of the team

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AFRI Integrated Program Areas

- Childhood Obesity Prevention Challenge Area
- Climate Change Challenge Area
- Global Food Security Challenge Area
- Food Safety Challenge Area
- Sustainable Bioenergy Challenge Area
- Foundational Program



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Integrated Research, Education, and Extension Competitive Grants Program (Section 406)



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Section 406

Authorized in Section 406 of the Agricultural Research, Extension and Education Reform Act of 1998 (AREERA)

Provides funding for integrated, multifunctional agricultural research, education, and extension activities



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Section 406 Appropriations

2000	\$39.54 M	2006	\$42.29 M
2001	41.85 M	2007	42.29 M
2002	42.85 M	2008	41.99 M
2003	44.23 M	2009	41.99 M
2004	39.55 M	2010	45.15 M
2005	43.06 M		



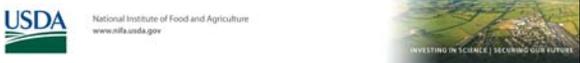
Section 406 Eligibility

Colleges and universities, 1994 land-grant institutions, and Hispanic-serving agricultural colleges and universities



Section 406 Program Areas

- National Integrated Food Safety Initiative
- National Integrated Water Quality Program
- Organic Transitions Program



Section 406 Program Areas

- Integrated Pest Management
 - Regional Pest Management Centers
 - Crops at Risk
 - Risk Avoidance & Mitigation
- Methyl Bromide Transitions

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Specialty Crop Research Initiative (SCRI)

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Specialty Crop Research Initiative

Supports research and extension that takes a systems-based, trans-disciplinary approach to solving critical specialty crop issues, priorities or problems

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SCRI Eligibility

Federal agencies, national laboratories, colleges and universities, research institutions and organizations, private organizations or corporations, State agricultural experiment stations, individuals, or groups consisting of two or more of these entities

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SCRI Program Areas

Projects must address at least one of five focus areas:

- Plant breeding, genetics, and genomics to improve crop characteristics
- Identification and addressing threats from pests and diseases, including threats to specialty crop pollinators



SCRI Program Areas

- Improvement of production efficiency, productivity, and profitability over the long term
- New innovations and technology, including improved mechanization and technologies that delay or inhibit ripening
- Methods to prevent, detect, monitor, control, and respond to potential food safety hazards in production and processing of specialty crops



Organic Agriculture Research and Extension Initiative (OREI)

Supports projects that will enhance the ability of producers and processors who have already adopted organic standards to grow and market high quality organic agricultural products



OREI Eligibility

State agricultural experiment stations, colleges and universities, university research foundations, other research institutions and organizations, Federal agencies, national laboratories, private organizations or corporations, individuals who are United States citizens or national, or a group consisting of two or more of these entities



OREI Program Characteristics

- OREI is particularly interested in projects that emphasize research and outreach that assist farmers and ranchers with whole farm planning and ecosystem integration
- Fieldwork must be done on certified organic land or on land in transition to organic certification, as appropriate to project goals and objectives



OREI Program Characteristics

- Projects should plan to deliver applied production information to producers
- Priority concerns include biological, physical, and social sciences, including economics



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International Science and Education Program

Support research, extension, and teaching activities that will enhance the capabilities of American colleges and universities to conduct international collaborative research, extension, and teaching
