DOCE – Grant Programs

**Capacity Building**
- Grants for Non Land Grant Colleges of Agriculture Program (NLGCA)
- Alaska Native-Serving and Native Hawaiian-Serving Institutions
- 1890 Land Grant Programs
- 1994 Land Grant Tribal Programs
- Hispanic Serving Institutions (HSI)

**Workforce Development**
- Multicultural Scholars Program (MSP)
- National Needs Graduate and Postgraduate Fellowship (NNF)
- AFRI ELI - Research and Extension Experiential Learning for Undergraduates REEU
- Women and Minorities in STEM (WAMS)

**Learning and Engagement Programs**
- Professional Development Opportunities for Secondary School Teachers (PD STEP)
- Higher Education Challenge (HEC) Grants Program
- Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom Challenge Grants Program (SPECA)
Multicultural Scholars Program (MSP)

- Scholarships (undergraduate) to encourage students from groups that are historically underrepresented to pursue and complete baccalaureate degrees in the Food, Agricultural, Natural Resources, and Human Sciences, or achieve a D.V.M.

- Any combination of 2-, 3-, and/or 4-year scholarships

- $6,500 /student/year, for up to four years + $2,500 /student/year for cost of education allowance

- Special Experiential Learning (SEL) – One-time $4,000 for each eligible USDA MSP Scholar

- Grants are given to Colleges and Universities

Award Max: $200,000  
Contact: Dr. Ray Ali  
Funded: 24%  
Deadline: TBD
MSP Sample Project

• Multicultural Undergraduate Scholars in Agroecology and Natural Resource Sciences at Florida International University
  – Provided internships, community engagement, and special experiential-learning activities
  – Scholars gained scientific skills by
    • Analyzing soil, water, soil microbes and soil nutrients
National Needs Fellows (NNF)

- Fellowships for **MS & Doctoral** level students in areas of specified national need
- MS - $18,500 /student/year, for 2 years
- PhD - $24,500 /student/year, for 3 years
- Special (supplemental) International Study Stipend for current fellow up to $4,500 /MS student and $8,000 /PhD student
- Grants are given to Colleges and Universities

Award Max: $262,500  Funded: 21%
Contact: Dr. Ray Ali  Deadline: TBD
NNF Need Areas

- Animal Production
- Plant Production
- Forest Resources
- Agricultural Education and Communication
- Agricultural Management and Economics
- Food Science, Human Nutrition and Human Sciences
- Agricultural Biosecurity
- Integrative Biosciences for Sustainable Food and Agricultural Systems – (integrative training in food and agricultural, social and economic disciplines)
NNF Sample Project

• Multidisciplinary doctoral training in human nutrition and childhood obesity
  – Provided courses and experiential learning
    • Laboratory rotations
    • Grant and manuscript writing
    • Scientific presentations
    • Face-to-face teaching
    • Outreach project in public education
Agriculture and Food Research Initiative (AFRI) Competitive Grants Program

- Agriculture and Food Research Initiative’s Education and Literacy Initiative (AFRI ELI)
  - Offers fellowship and experiential learning opportunities.
    - Funds research, education, extension, and integrated grants that address key problems of National, regional, and multi-state importance in sustaining all components of agriculture.
AFRI Priority Areas

- Plant health and production and plant products
- Animal health and animal products
- Food safety
- Nutrition and health
- Bioenergy
- Natural resources and environment
- Agriculture systems and technology
- Agriculture economics and rural communities
Research and Extension Experiences for Undergraduates (REEEU)

- Research and extension based experiential learning for undergraduates

- Provides opportunities for students from underrepresented and economically disadvantaged groups at minority-serving institutions, community colleges, and four-year colleges and universities to obtain hands-on experience and training at larger universities and USDA laboratories.

- Eligible institutions: Eligible institutions: 1) 4-year colleges and universities; 2) 1994 Land-Grant Institutions; and (3) Hispanic-serving agricultural colleges and universities.

Award Max: $300,000  
Funded: 13.8%  
Contact: Dr. Victoria LeBeaux  
Deadline: TBD
Research and Extension Experiences for Undergraduates (REEU)

Non-exhaustive examples of experiential projects include:

- Research and/or extension apprenticeships, internships within the AFRI priority areas
- Practicums in agricultural laboratories, farms or Cooperative Extension Programs
- Externships in the private or public sector
- Study abroad focused on global food security issues to develop global competency skills
Learning and Engagement

• Aims to increase the recruitment and retention of students.

• Includes
  – Curriculum and instruction materials
  – Teacher training
  – Professional development opportunities for secondary school teachers
AFRI ELI - Professional Development for K-12 Educators (PD-STEP)

- Provides immersive learning experiences in non-formal educational programs for secondary school educators
  - Enabling them to identify and replicate best practices to enhance student outcomes in the food, agricultural, natural resources, and human (FANH) sciences
- Integrates innovations in science and pedagogy into existing teacher professional development programs
- Eligible institutions: 1) 4-year colleges and universities; 2) 1994 Land-Grant Institutions; and (3) Hispanic-serving agricultural colleges and universities

Award Max: $150,000
Funded: 30%
Deadline: TBD

Contact: Dr. Victoria LeBeaux
Higher Education Challenge (HEC)

Grants to colleges and universities to improve formal, **baccalaureate or master’s degree** level food, agricultural, natural resources, and human sciences education and first **professional degree-level education in veterinary medicine** (DVM).

- Curriculum development, instructional delivery systems and expanding student career opportunities
- Faculty preparation and enhancement for teaching
- Facilitating interaction with other academic institutions

**Award Max**: $750,000  
**Funded**: 20%  
**Contact**: Antonio McLaren  
**Deadline**: TBD
HEC Sample Project

• Healthy Animals Safe Food: A comprehensive web based educational tool to enhance food safety training of veterinary medical students
  – Improve
    • Pre- and post-harvest food safety knowledge
    • Relevant Spanish language abilities
    • Mental motivation
    • Self-efficacy regarding food safety
Secondary Education, Two-Year Postsecondary Education, and Agriculture in the K-12 Classroom (SPECA) Challenge

Grants to institutions to promote and strengthen K-14 education in the food, agricultural, natural resources, and human sciences through:

- Curriculum development, instructional delivery systems and expanding student career opportunities
- Faculty preparation and enhancement for teaching
- Interaction with other academic institutions and industry
- 100% Matching Requirement

Award Max: $300,000  
Funded: 20%  
Deadline: TBD

Contact: Dr. Victoria LeBeaux
SPECA Sample Project

• New York Harbor Oyster Nursery Aquaculture Education Project – New York Harbor Foundation School
  – 50-acre off-bottom oyster farm
  – Provides both vocational and college preparation programs in aquaculture and ecology
  – 3 available tracks for students
    • Oyster aquaculture, oyster restoration, or marine biology
Women and Minorities in Science, Technology, Engineering, and Mathematics Fields (WAMS) Grants Program

- Grants to educational institutions, private organizations, and others,
- Support education, research and extension projects that *increase participation by women and underrepresented minorities* from *rural areas*
- Fields include science, technology, engineering, and mathematics (STEM) in the context of food, agricultural, natural resources, and human sciences

Award Max: $100,000  
Funded: 20%  
Contact: Dr. Victoria LeBeaux  
Deadline: TBD
WAMS Sample Project

• Supported a summer camp for high school girls from rural areas of eastern Tennessee
  – Promotes STEM and higher education
  – Activities included
    • Late-night firefly hike led by an entomologist
    • Special workshop that looks at water use for the agriculture industry
    • Explores local, national and global conservation issues
Leveraging Existing Funds

- Salish Kootenai College
- Three NIFA programs
  - A Tribal College Education Equity Grant
  - Multicultural Scholars Program
  - Higher Education Challenge Grant
- Built a four-year degree program in forestry
- As a result, the number of Native Americans in forestry has more than doubled
Beginning Farmer and Rancher Development Program (BFRD)

• Supports training, education, outreach, and technical assistance initiatives for beginning farmers or ranchers

• Farmer = agricultural farmers, ranchers, and non-industrialized private forest owners and managers

• ~ $18 million

• Matching: 25%

Contact: Dr. Jill Auburn  Deadline: December 8, 2016
Beginning Farmer and Rancher Development Program (BFRD)

145 Awards 2009-2012
39 Awards 2014
~ $20 million/year 2014-2018
Thank You!

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