



United States
Department of
Agriculture

National Institute
of Food
and Agriculture



BIOENERGY, CLIMATE,
AND ENVIRONMENT



FOOD PRODUCTION
AND SUSTAINABILITY



YOUTH, FAMILY,
AND COMMUNITY



FOOD SAFETY
AND NUTRITION



INTERNATIONAL
PROGRAMS



USDA NIFA

NATIONAL INSTITUTE OF FOOD AND AGRICULTURE



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

NIFA Agricultural Sciences Programs in the Insular Areas

Saleia Afele-Faamuli, PH.D., M.P.H
National Program Leader

Division of Community and Education(DOCE)
Institute of Youth, Family and Community(IYFC)
National Institute of Food and Agriculture(NIFA)
United States Department of Agriculture



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

NIFA's MISSION

- Leads, supports, and helps fund **Research, Education, and Extension**, the three-pronged mission of the Congressionally-mandated Land Grant system in the institutions of higher learning at the national, regional, state and local levels (**formula & competitive grants**)
- Enhances the stature and impact of food, agricultural, and natural resource sciences to create a better future for the nation and the world.



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

NIFA PARTNERSHIP

- Key partners are the institutions of higher learning making up the **LAND GRANT University System** (2-yr and 4yr+ institutions)
- Also motivates and encourages **partnerships** with:
 - federal agencies, within and beyond USDA;
 - K-12 and non-Land Grant institutions in higher education;
 - nonprofit associations;
 - professional societies;
 - commodity groups and grower associations;
 - multistate research committees;
 - private industry;
 - citizen groups;
 - foundations;
 - regional centers;
 - the military;
 - task forces;
 - and other groups.



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

NIFA at a glance....

BUDGET

Total FY12.....	\$1,358,887,000
<i>Research and Education</i>	710,342,000
<i>Extension</i>	475,183,000
<i>Integrated</i>	21,482,000
<i>Mandatory</i>	151,880,000

PRIORITY SCIENCE AREAS

FOOD SECURITY AND HUNGER

NIFA supports science to boost domestic agricultural production, improve capacity to meet the growing global food demand, and foster innovation in fighting hunger and food insecurity in vulnerable populations.

CLIMATE CHANGE

NIFA-funded projects help producers adapt to changing weather patterns and sustain economic vitality while also reducing greenhouse gas emissions and increasing carbon sequestration in agricultural and forest production systems.

SUSTAINABLE ENERGY

NIFA contributes to the President's goal of energy independence with a portfolio of grant programs to develop optimum biomass, forests, and crops for bioenergy production; and produce value-added, bio-based industrial products.

CHILDHOOD OBESITY

NIFA-supported programs ensure that nutritious foods are affordable and available and that individuals and families are able to make informed, science-based decisions about their health and well-being.

FOOD SAFETY

NIFA food safety programs work to provide a safer food supply and reduce the incidence of food-borne illness by addressing the causes of microbial contamination and anti-microbial resistance, educating consumer and food safety professionals, and developing enhanced food processing technologies.



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

NIFA Institute of Youth, Family and Community (IYFC)

- Division of Community and Education (DOCE)
Resident Instruction Grants Program for Insular Areas (RIIA)
Distance Education Grants Program for Insular Areas (DEG)

Purpose: Strengthen the capacity of institutions of higher education to carry out resident instruction, curriculum, and teaching programs in the food and agricultural sciences and STEM-related fields.

- Division of Youth and 4-H
In 2010, 39,417 youths in the Insular Areas were served
- Division of Family and Consumer Sciences



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

NIFA IYFC Division of Community and Education

- **GOALS**

Increase the number, quality, and diversity of the next generation of food/ag scientists with a strong foundation in Science, Technology, and Engineering and Mathematics (STEM) fields;

Develop a food and agriculture workforce ready for local, national and international employment;

Contribute to the development of an agriculture-literate citizenry in cooperation with public institutions, private sector partners, and the Land Grant University System.

- **Themes**

- Learning and Engagement Programs
- Workforce and Development
- **Capacity Building for Minority Serving Institutions**



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

8 Insular Areas:

American Samoa

Commonwealth of the Northern Marianas

Commonwealth of Puerto Rico

Federated States of Micronesia

Guam

Republic of the Marshall Islands

Republic of Palau

Virgin Islands



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

Grants for Insular Areas

Consolidated under Research and Education Activities in FY2013:
\$1.65m

1. **Resident Instruction Grants Program** for Institutions of Higher Education in the Insular Areas (RIIA):
 - Regular Project (\$70,000) or Consortium Project (\$790,000 to \$850,000).
 - \$861,079 awarded in 2012;
 - \$5,454,401 for 22 funded projects since its inception in 2005

2. **Distance Education Grants Program** for Institutions of Higher Education in Insular Areas(DEG):
 - Regular Project (\$70,000) or Consortium Project (\$750,000)
 - \$717,945 awarded in 2012;
 - \$2,869,145 for 5 funded projects since its inception in 2010



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

Resident Instruction Grants

Program Goals:

- **Strengthen institutional educational capacities**, including libraries, curriculum, faculty, scientific instrumentation, instruction delivery systems, and student recruitment and retention, in order to respond to identified State, regional, national, or international education needs in the food and agricultural sciences;
- **Attract and support undergraduate and graduate students** in the food and agriculture sciences and STEM-related fields;
- **Facilitate cooperative initiatives between two or more insular area eligible institutions**, or between those institutions and units of State Government or organizations in the private sector, to maximize the development and use of resources such as faculty, facilities, and equipment to improve food and agricultural sciences teaching programs;
- **Conduct undergraduate scholarship programs** to assist in meeting national needs for training food and agricultural scientists.

Administered under the provisions of the Farm Security and Rural Investment Act of 2002 (Section 7501 of Public Law 107-171) as reauthorized in Section 7143 of Public Law 110-246, which amended the National Agricultural Research, Extension, and Teaching Policy Act of 1977 (7 U.S.C. 3101 et seq.) by providing for a program of resident instruction grants for insular areas (7 U.S.C. 3363).



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

Distance Education Grants

Program Goal:

- Strengthen the capacity of Institutions of Higher Education in Insular Areas to carry out resident instruction, curriculum, and teaching programs in the food and agricultural sciences, through **distance education technology**.

The Distance Education Grants for Insular Areas (DEG) program is administered under the provisions of 7 U.S.C. 3362, to strengthen the capacity of Insular Area institutions to carry out *distance education programs* (see Definitions, Part VIII. E.) in the food and agricultural sciences.



United States
Department of
Agriculture

National Institute
of Food
and Agriculture

The Many Faces of Agriculture

- Aquaculturist
- Botanist
- Climatologist
- Florist
- Food Scientist
- Nutritionist/Dietitian
- Ag Science & Business Teacher
- Agricultural Engineer
- Horticulturist
- Entomologist
- Science Writer
- Hydrologist
- Renewable Energy Specialist
- Weed Scientist
- Nematologist
- Agricultural Economist
- Environmental Scientist
- Biochemist
- Fisheries Scientist