



**BACKGROUND**

This AFRI Challenge Area focuses on Food Availability and Food Accessibility. Adequate food availability implies that the U.S. population has a reliable source of food from domestic or international production. Food security is achieved when food availability and food accessibility goals are met successfully. The long-term outcomes for this program are to increase food availability through increased sustainable production and to decrease the number of food insecure individuals, families, and communities by addressing key constraints to food accessibility and implementing solutions that enhance sustainable food systems. In FY 2010, approximately \$19 million is available to support the Global Food Security Challenge Area within AFRI.

**PROGRAM AREA PRIORITIES**

**Improving Sustainability by Improving Feed Efficiency of Animals**

Improve the biological nutrient use efficiency of agriculturally relevant animals (livestock, poultry, or aquaculture). Integrated Projects up to \$1M per year (\$5M total) for up to 5 years. Contact Mark Miranda

**Minimizing Losses from Diseases with Major Impact on Production, Marketing, and/or Trade**

Develop integrated disease management approaches directed to one of the following diseases: Bovine tuberculosis; Bovine mastitis; or Bovine Respiratory Disease Complex. Integrated Coordinated Agricultural Projects for up to \$2M per year (\$10M total) for up to 5 years. Contact Peter Johnson

**Oomycete Pathosystems in Crop Plants to Minimize Disease**

Develop integrated management of oomycete diseases of crop plants. Integrated Coordinated Agricultural Projects for up to \$1.9M per year (\$9.5M total) for up to 5 years. Contact Ann Lichens-Park

**Program Delivery and Implementation of Wide-area Pest Monitoring**

Develop extension-based programs for wide-area monitoring of crops, pests, diseases, or associated beneficial species and reporting for rapid implementation of existing knowledge, including allowing producers to make better decisions in managing pests of high consequence. Extension Coordinated Agricultural Projects up to \$1.2M per year (\$6M total) for up to 5 years. Contact Martin Draper

**Improved Sustainable Food Systems to Reduce Hunger and Food Insecurity Domestically and Globally**

Develop research, education, and extension sustainable programs on local and regional food systems that will increase food security in disadvantaged U.S. communities and create viability in local economies. Integrated Projects up to \$1M per year (\$5M total) for up to 5 years. Contact Elizabeth Tuckermanty

**PROGRAM AREA CONTACTS**

|                         |                |                            |
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**PROGRAM AREA DEADLINE DATES**

| PROGRAM AREA   | LETTER OF INTENT DEADLINE | APPLICATION DEADLINE |
|--|---------------------------|----------------------|
| Improving Sustainability by Improving Feed Efficiency of Animals                                 | April 14, 2010            | July 14, 2010        |
| Minimizing Losses from Diseases with Major Impact on Production, Marketing, and/or Trade         | April 23, 2010            | July 13, 2010        |
| Oomycete Pathosystems in Crop Plants to Minimize Disease   | April 26, 2010            | August 2, 2010       |
| Program Delivery and Implementation of Wide-area Pest Monitoring                                 | May 19, 2010              | August 11, 2010      |
| Improved Sustainable Food Systems to Reduce Hunger and Food Insecurity Domestically and Globally | April 30, 2010            | June 29, 2010        |