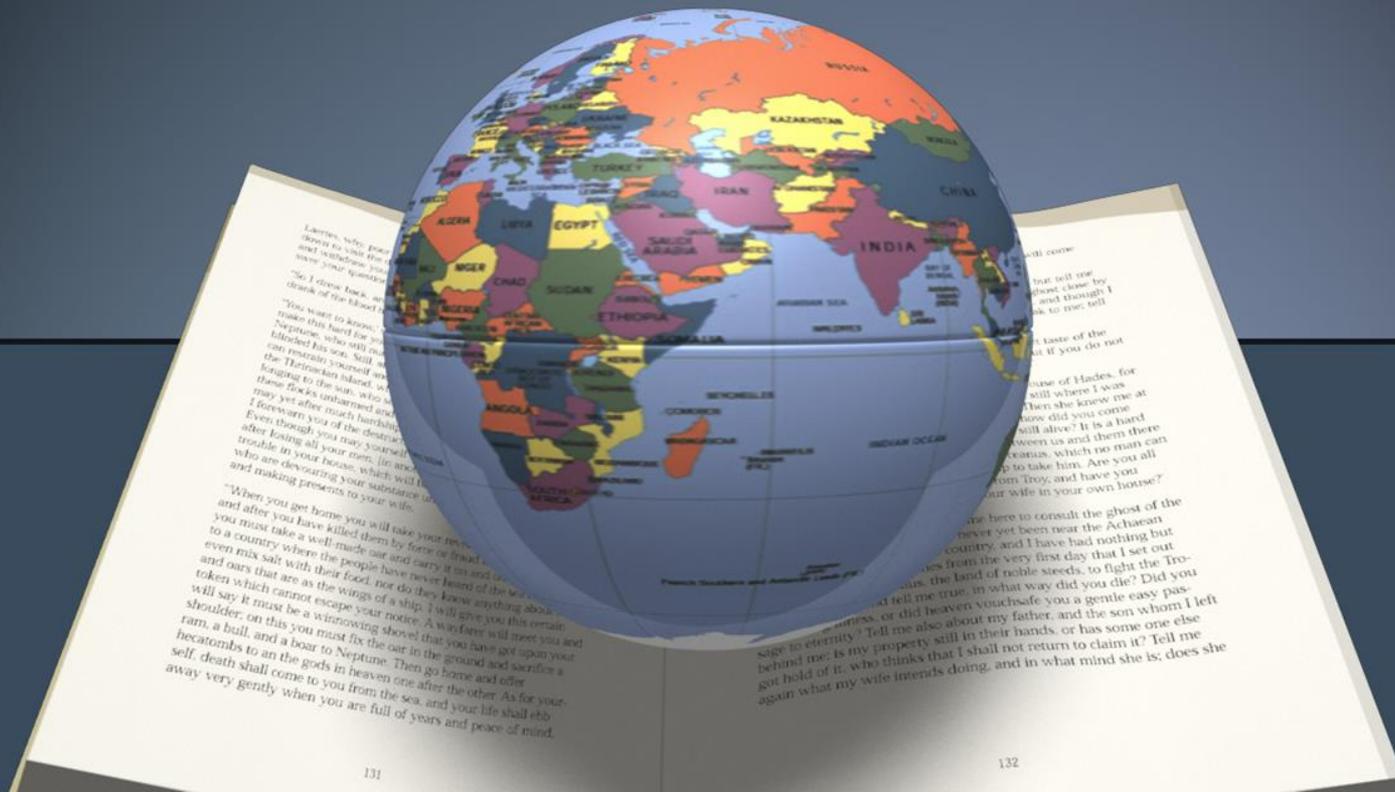


United States Department of Agriculture Research, Education, and Economics (REE)

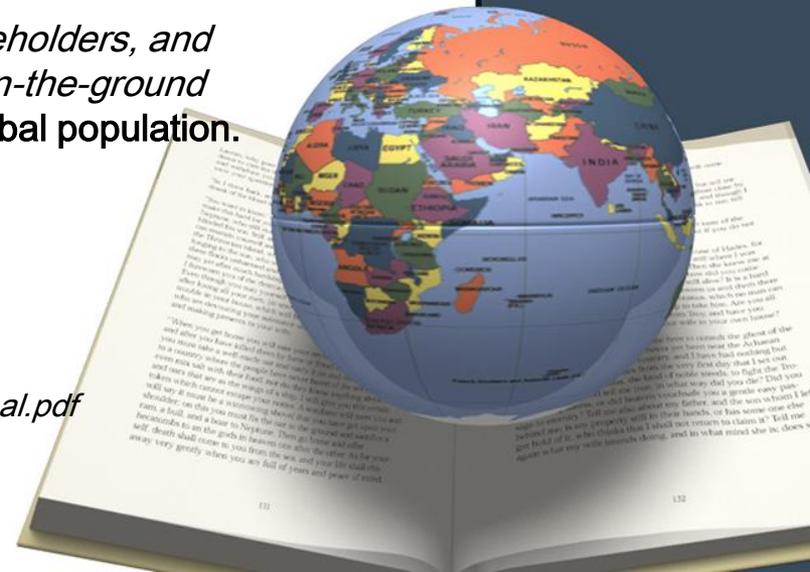
Overview of REE Mission Area International Activities / Programs



Agriculture: One World. One Science. A Roadmap for USDA Science...

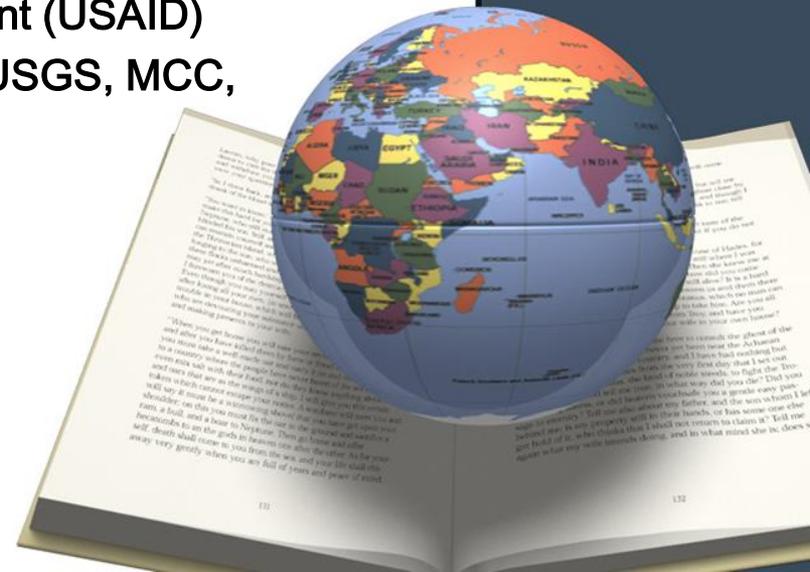
- Recognize the globalization of food, agricultural, and resource problems.
- Agricultural issues no longer have political and geographical borders.
- Reducing agriculture-dependent poverty and hunger in low income countries will require more outcome-driven focus on the food and agricultural systems of other countries.
- *Sharing scientific knowledge among scientists, stakeholders, and decision makers contributes to sound policies and on-the-ground management practices that ultimately benefit the global population.*

Available: http://www.ree.usda.gov/ree/news/REE_Roadmap9_final.pdf



REE International Activities Coordination & Cooperation

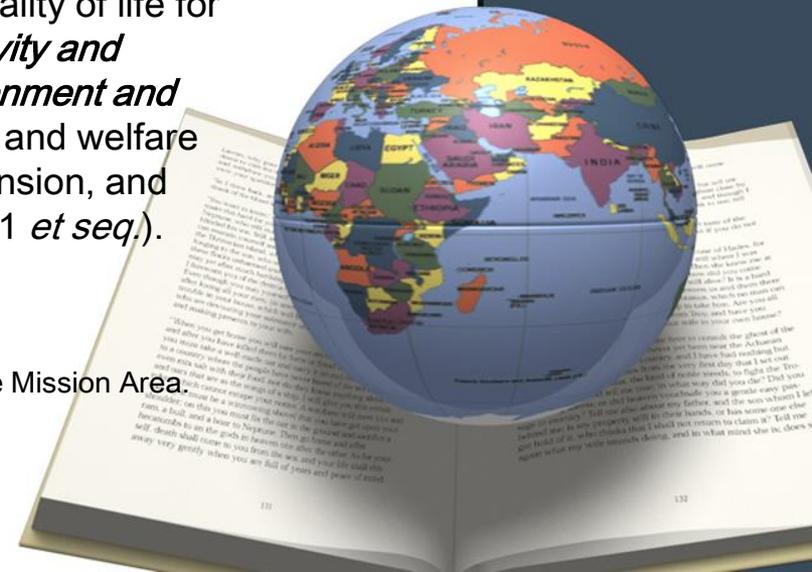
- White House / Executive Office of the President
 - National Security Council / National Security Staff
 - Office of Science and Technology Policy
- Interagency
 - U.S. Department of State (State)
 - U.S. Agency for International Development (USAID)
 - Others: DoD, NSF, NOAA, DOE, DHS, USGS, MCC, Peace Corps, U.S. Institute for Peace



REE International Authorities

- (a) The following delegations of authority are made by the Secretary of Agriculture to the Under Secretary for Research, Education, and Economics (who holds the title of Chief Scientist of the Department).
- (1) Related to research, extension, and education. (i) Direct, coordinate and provide national leadership and support for research, extension and teaching programs in the food and agricultural sciences to meet major needs and challenges in development of new food and fiber; ***food and agriculture viability and competitiveness in the global economy***; enhancing economic opportunities and quality of life for rural America; ***food and agricultural system productivity and development of new crops and new uses; the environment and natural resources***; or the promotion of human health and welfare pursuant to the National Agricultural Research, Extension, and Teaching Policy of 1977, as amended (7 U.S.C. 3101 *et seq.*).

See Handout for additional authorities and delegations thereof within the Mission Area.



Global Research Collaboration Platforms

Open Access to Scholarly Publications

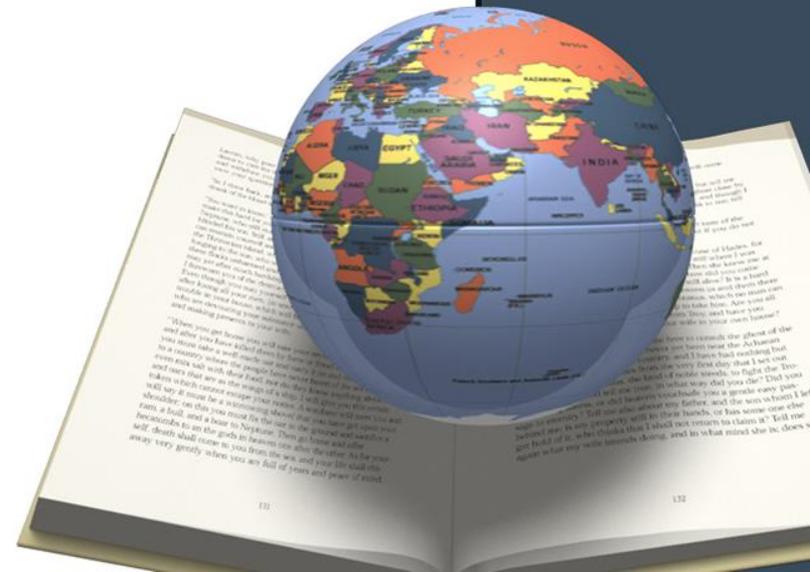
Open Access to Germplasm Collections

Open Access to Genetic and Genomic Data

Accelerated Ag Innovation and Technology Transfer

Improved Agricultural Statistics

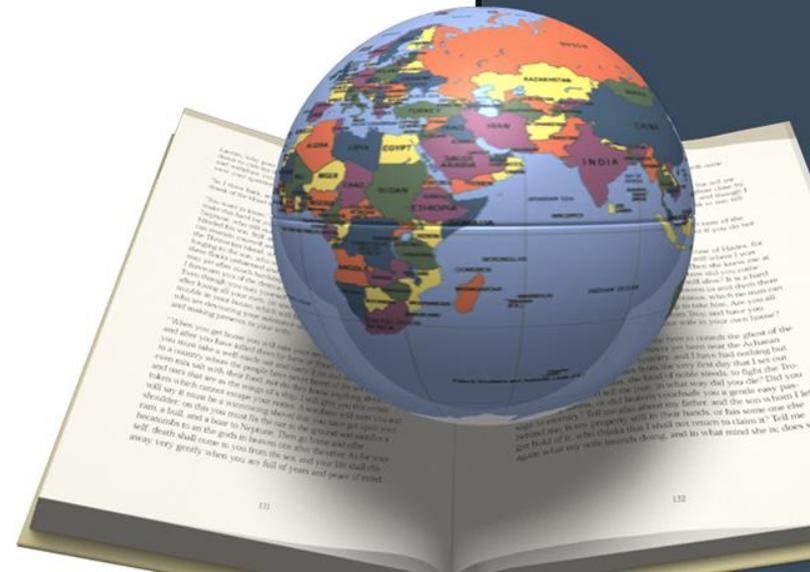
Meetings of Agricultural Chief Scientists (MACS)



REE Focus Areas International Activities

~ Office of the Under Secretary ~

- **Bilateral:** Canada, China, EC, Mexico
- **Multi-Lateral:** G-8, G-20 (MACS), United Nations
- **Thematic:** Food Security, Open Data, Scientifically Informed International Policy



REE International Activities

~ Economic Research Service ~
www.ers.usda.gov/browse/international

ERS is the main source of economic information and research from the USDA. Mission is to inform and enhance public and private decision making on economic and policy issues related to agriculture, food, natural resources, and rural development. ERS specialists provide wide-ranging research and analysis on production, consumption, and trade of key agricultural commodities and on agricultural policies of countries and regions important to U.S. agriculture, as well as on international trade agreements and food security issues.

Statistical Capacity Development: Improved agricultural and food security information systems

Global Strategy to Improve Agricultural and Rural Statistics <http://www.fao.org/economic/ess/ess-capacity/ess-strategy/en/#.Uin2XWTwl2I>

Feed the Future (special focus on Tanzania)

East and Central Europe (special focus on Serbia)

International Statistical Conference on Agricultural Statistics (special focus on food security)

Research Collaboration with China

Chinese Academy of Agricultural Sciences (CASS)

Research Center for Rural Economy (RCEC)

Collaborative research on India

Research on the Impact of Water Constraints for Agriculture

Research on Agricultural Productivity

Commodity Market Analysis

Global food security analysis

Annual Global Food Security Assessment

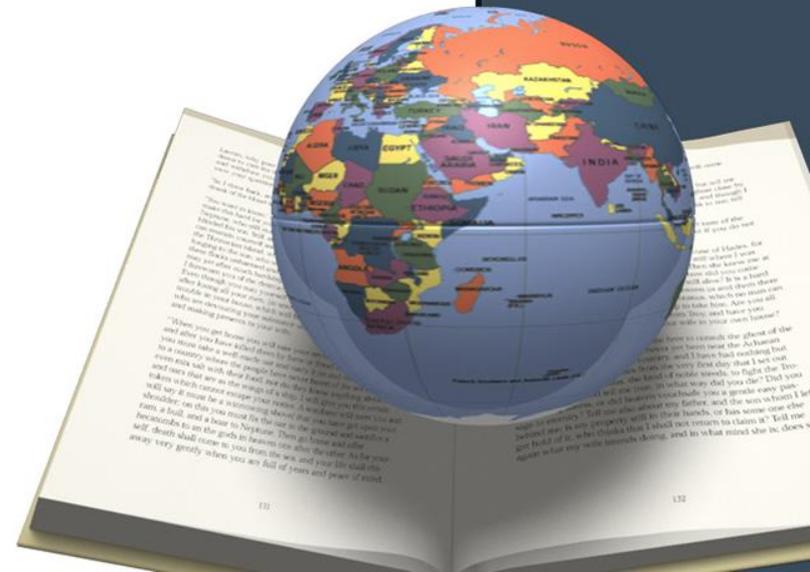
Application of ERS Global Food Security Model in Haiti

Research on Global Food Security

International market and trade analysis

Agriculture Market Information System (AMIS: amis-outlook.org)

Analysis of Regional Trade Agreements



REE International Activities

~ National Agricultural Statistics Service ~

[www.nass.usda.gov/About NASS/International Programs](http://www.nass.usda.gov/About_NASS/International_Programs)

NASS is recognized as the world leader in the field of agricultural statistics. In addition to producing high quality statistics about U.S. agriculture, NASS has been helping to establish and improve agricultural statistics systems in countries around the world since the end of World War II. NASS specialists provide technical assistance and training on a reimbursable basis in all aspects of statistical surveys and data systems. The aim is to develop stronger statistical organizations and increase the skills of individual employees. Emphasis is on continuity and the consistent use of statistically sound procedures, so that more reliable and timely agricultural information can be provided at less cost.

Statistical Capacity Development

Global Strategy to Improve Agricultural and Rural Statistics <http://www.fao.org/economic/ess/ess-capacity/ess-strategy/en/#.Uin2XWTwl2I>

Feed the Future

USDA Caucasus Agricultural Development Initiative

Assistance for Europe, Eurasia and Central Asia

Strengthening Agricultural Statistics

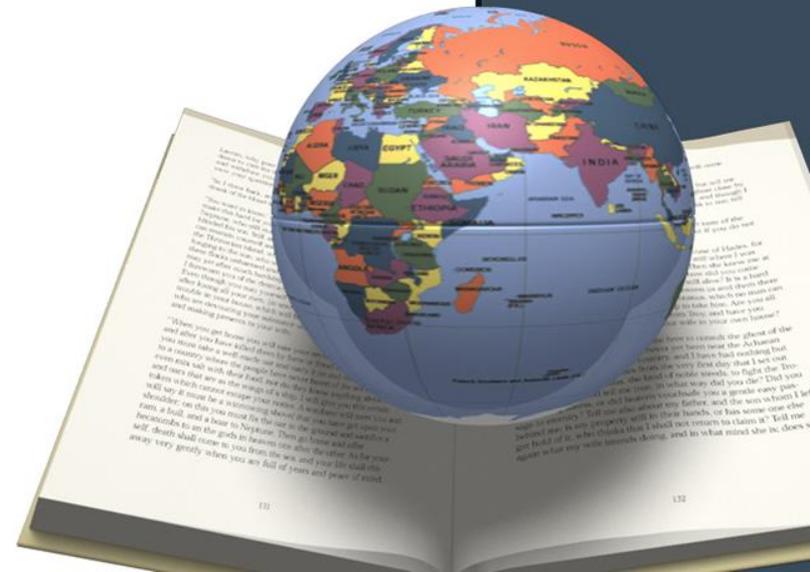
World Agricultural Supply and Demand Estimates (WASDE)

Agriculture Market Information System (AMIS: amis-outlook.org)

Agricultural Statistics Outreach

International Conference on Agricultural Statistics

International Statistical Institute World Statistics Congress



REE International Activities

~ National Institute for Food and Agriculture ~
www.nifa.usda.gov/nea/international/international.html

NIFA addresses many challenges facing the nation through exemplary agricultural science. NIFA works with the best and brightest scientists at universities and colleges throughout the United States and around the world to find innovative solutions to issues related to agriculture, food, the environment and communities. With today's increasingly global society, USDA and its partner American colleges and universities must play a major role in preparing U.S. citizens to work and succeed in a rapidly changing world. NIFA'S Center for International Programs office is working with universities to find ways of engaging students, faculty, and staff in the world outside our borders.

Promoting Global Competitiveness/Competencies of American Ag Professionals

Agriculture and Food Research Initiative (AFRI)

Promotes and enhances the scientific discipline of food safety, with an overall aim of protecting consumers from microbial and chemical contaminants that may occur during all stages of the food chain, from production to consumption. www.nifa.usda.gov/fo/fundview.cfm?fonom=1106

International Science and Education Competitive Grant Program

(currently post award management)

<http://www.nifa.usda.gov/fo/fundview.cfm?fonom=1240>

Extension's Service to a Multicultural Clientele

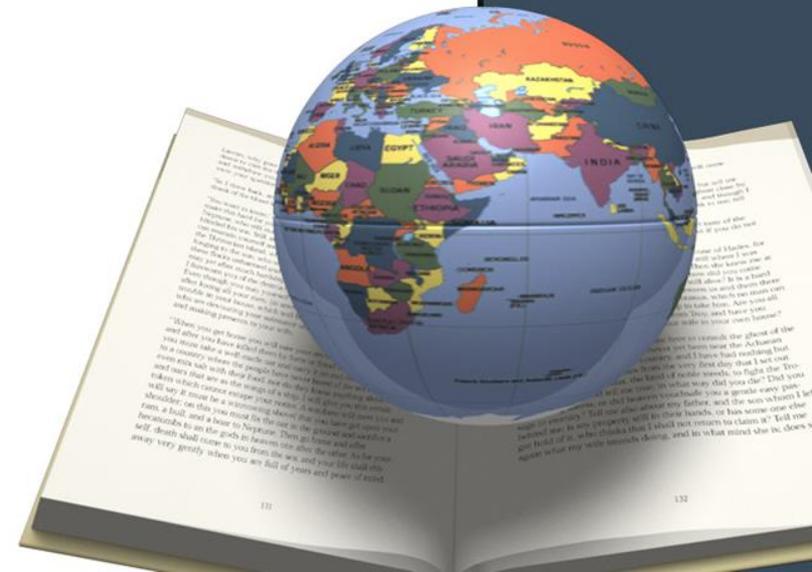
Enhancing Food Security through Assistance Programming

Revitalization of Extension in Iraq

Strengthening Extension in Afghanistan

Improving Food Aid through Research

Enhancing Crop Productivity through Research



REE International Activities

~ Agricultural Research Service ~

www.ars.usda.gov/research/docs.htm?docid=1428

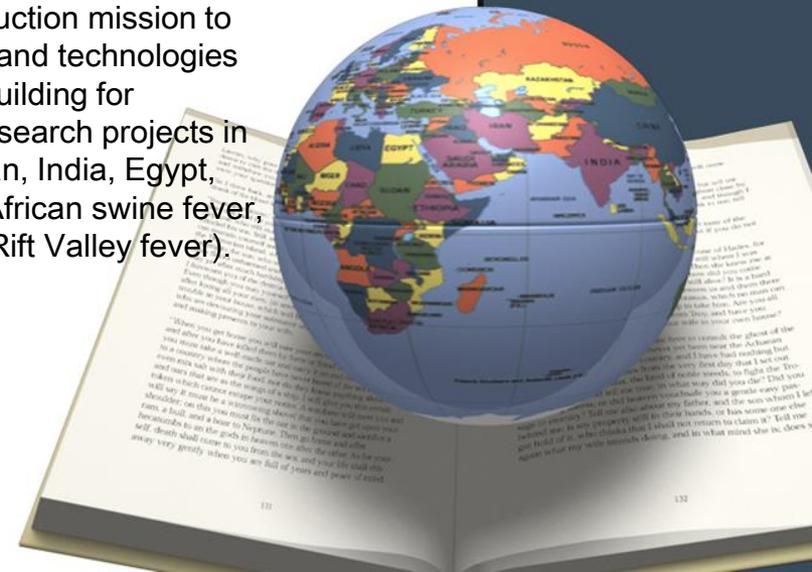
International Research Projects

www.ars.usda.gov/research/projects.htm?slicetype=International

ARS is USDA's main in-house scientific research agency. ARS conducts research to develop and transfer solutions to agricultural problems of high national priority and provide information access and dissemination. The Office of International Research Programs (OIRP) is the main contact for international activities within ARS. Regional specialists work with National Program Leaders and Administrators to strategically engage in partnerships that enhance the productivity, effectiveness, and impact of USDA research, as well as further the goals of the U.S. government.

Overseas Research: European Bio Control Lab (Primary location France, satellite location, Greece); South American FUEDEI (Argentina, Foundation); Sino-American Bio Control Lab (China, CAAS agreement); Australian Bio Control Lab (Australia, CSIRO agreement); Cotton Winter Nursery (Mexico)

Biosecurity Engagement Program (BEP): U.S. government's threat reduction mission to reduce the potential for dual-use application of biological sciences and technologies through engagement in infectious disease research and capacity building for surveillance, diagnostics, & control. ARS established multi-year research projects in Russia, the Republic of Georgia, Ukraine, Kenya, Vietnam, Pakistan, India, Egypt, Yemen, Indonesia and South Africa in animal diseases research (African swine fever, avian influenza, Newcastle disease, foot-and-mouth disease, and Rift Valley fever).



REE International Activities

~ **Agricultural Research Service, continued** ~

www.ars.usda.gov/research/docs.htm?docid=1428

Bilateral Partnering: Brazil- Embrapa / Labex; South Korea Rural Development Administration – RAVL; Israel- Binational Agricultural Research and Development (BARD) Fund

Feed the Future: Ug99 wheat stem rust; Livestock production & health (African goat improvement, animal health- East Coast Fever); Pulse production (quality); Mycotoxins (aflatoxin)

Global/Multilateral Partnering: Global Foot & Mouth Research Alliance (GFRA), African Swine Fever (GARA); Global Research Alliance on GHG; GRIN Global; Borlaug Global Rust Initiative; International Research Initiative for Wheat Improvement (G20-Paris, June 2011)

National Agricultural Library

As the Nation's primary source for agricultural information, the National Agricultural Library (NAL) has a mission to increase the availability and utilization of agricultural information for researchers, educators, policymakers, consumers of agricultural products, and the public. The Library is one of the world's largest and most accessible agricultural research libraries and plays a vital role in supporting research, education, and applied agriculture. www.nal.usda.gov/

