Feed the Future Innovation Labs for Collaborative Research Country Profile

Guatemala

Long-term Degree Training

The Feed the Future Innovation Labs for Collaborative Research and the former Collaborative Research Support Programs (CRSPs) since 1978 have trained a total of 28 long-term degree students from Guatemala earning 28 degrees in disciplines including Agroecology, Agricultural Economics, Entomology, Horticulture, Food Science and Plant Breeding. Students were granted Bachelors (3.6%), Masters (78.6%), and Ph.D. (17.9%) degrees. Women received nearly 40% of those degrees. INCAP and Purdue University granted 15 and 5 degrees respectively. Students studied at U.S. Universities including Cornell U, Michigan State U, Purdue U, Texas A&M U, and U Georgia under BASIS AMA, Bean/Cowpea, IPM, and SMOG/INTSORMIL.

U.S. University Partners, Guatemala (2007 - 2013)

BASIS AMA
- UC Davis*
- UC Berkeley

Pulse
- Michigan State U*

SMOG/INTSORMIL
- U Nebraska, Lincoln*
- Texas A&M U

Horticulture
- UC Davis*
- North Carolina State U
- Ohio State U
- U Wisconsin, Madison

IPM
- Virginia Tech*
- Penn State U
- Purdue U
- U Arizona
- UC Davis
- U Denver
- U Georgia

*Management Entity

Partners in Guatemala (2007 – 2013)

- Instituto de Ciencia y Tecnologia Agricola - ICTA
- Agroexpertos
- CARE, Guatemala
- Instituto Mesoamericano de Permacultura
- Universidad de San Carlos
- Universidad de San Marcos
- Universidad del Valle de Guatemala
- Universidad Rafael Landivar

Innovation Labs for Collaborative Research and CRSP Activities in Guatemala (2007 - 2013)*

BASIS Assets and Market Access (AMA)
- Enhancing Smallholder Competitiveness in the Face of Globalization
- Index-based Weather Insurance for Coffee Cooperatives in Guatemala

Dry Grain Pulses (Pulse) (Legume as of 2013)
- Strategic Investment in Rapid Technology Dissemination: Commercialization of Disease Resistant Bean Varieties in Guatemala, Honduras, Nicaragua and Haiti (BTD)

Horticulture
- Delivering vegetable safety education through established social networks in Latin America
- Deployment of Rapid Diagnostic Tools for Phytophthora on Horticultural Crops in Central America
- Improving Extension Methods for Horticultural Outreach Among Small-Stakeholder Farmers in Latin American Countries
- Semillas de Esperanza: Vegetable Seeds for Sustainable Agriculture
- Trellis III: Engaging US Students in International Development

**Integrated Pest Management (IPM)**
- Integrated Pest Management: Science for Agricultural Growth in Latin America and the Caribbean
- International Plant Diagnostic Network
- International Plant Virus Disease Network
- Toward the Effective Integrated Pest Management of Plant Disease Caused by Viruses in Developing Countries: Detection and Diagnosis, Capacity Building and Training, and Formulation of IPM Packages

**Sorghum, Millet, and Other Grains (INTSORMIL)**
- Breeding Sorghum for Improved Grain, Forage Quality and Yield for Central America
- Identification and Release of Brown Midrib (bmr) Sorghum Varieties to Producers in Central America and Haiti

*Activities occurred at varying points from 2007-2013.*