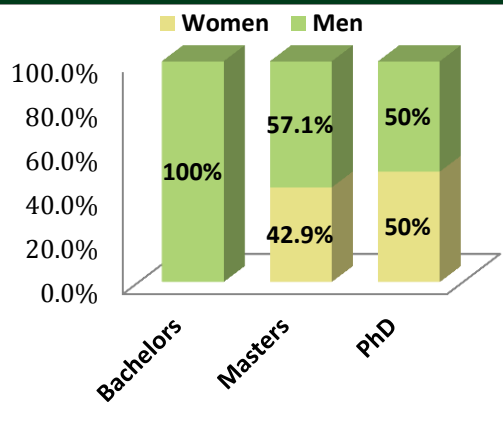




Feed the Future Innovation Labs for Collaborative Research Country Profile Guatemala



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 **31 long-term degree students** from Guatemala earning **31 degrees** in disciplines including Agroecology, Agricultural Economics, Entomology, Horticulture, Food Science and Plant Breeding. Students were granted Bachelors (19.4%), Masters (67.7%), and Ph.D. (12.9%) degrees. Women received nearly **36%** of those degrees. **INCAP** and **Purdue University** granted 14 and 4 degrees respectively. Students studied at local universities as well as U.S. Universities including Cornell U, Michigan State U, Purdue U, Texas A&M U, and U Georgia under BASIS AMA, Bean/Cowpea, IPM, Pond Dynamics/Aquaculture and SMOG/INTSORMIL.

U.S. University Partners, Guatemala (2007 - 2014)

BASIS AMA

UC Davis*
UC Berkeley

Legume

Michigan State U*
U Puerto Rico

Horticulture

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

SMOG/INTSORMIL

U Nebraska, Lincoln*
Texas A&M U
**Management Entity*

IPM

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

Partners in Guatemala (2007 - 2014)

	BASIS AMA	Horticulture	IPM	Legume	SMOG/ INTSORMIL
Instituto de Ciencia y Tecnología Agrícola - 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 - 2014)*

BASIS Assets and Market Access (AMA)

- Enhancing Smallholder Competitiveness in the Face of Globalization
- Index-based Weather Insurance for Coffee Cooperatives in Guatemala

Grain Legumes (Legume) Formerly Dry Grain Pulses

- Strategic Investment in Rapid Technology Dissemination: Commercialization of Disease Resistant Bean Varieties in Guatemala, Honduras, Nicaragua and Haiti (BTD)
- Genetic Improvement of Guatemalan Climbing Beans for Efficient Production in the Highlands

Horticulture

- Development and implementation of robust molecular markers and genetic improvement of common and tepary beans to increase grain legume production in Central America, Haiti and Tanzania
- 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 2007-2014.



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