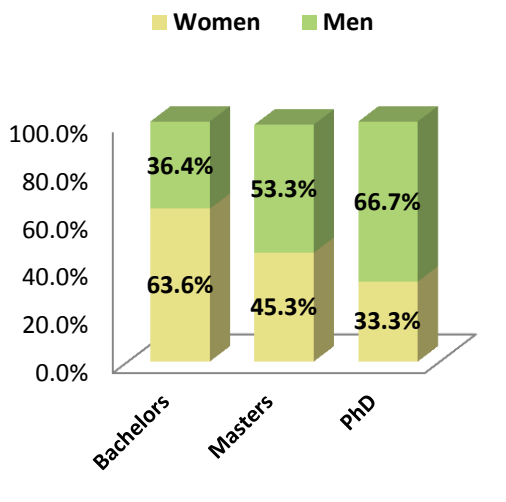




Feed the Future Innovation Labs for Collaborative Research Country Profile

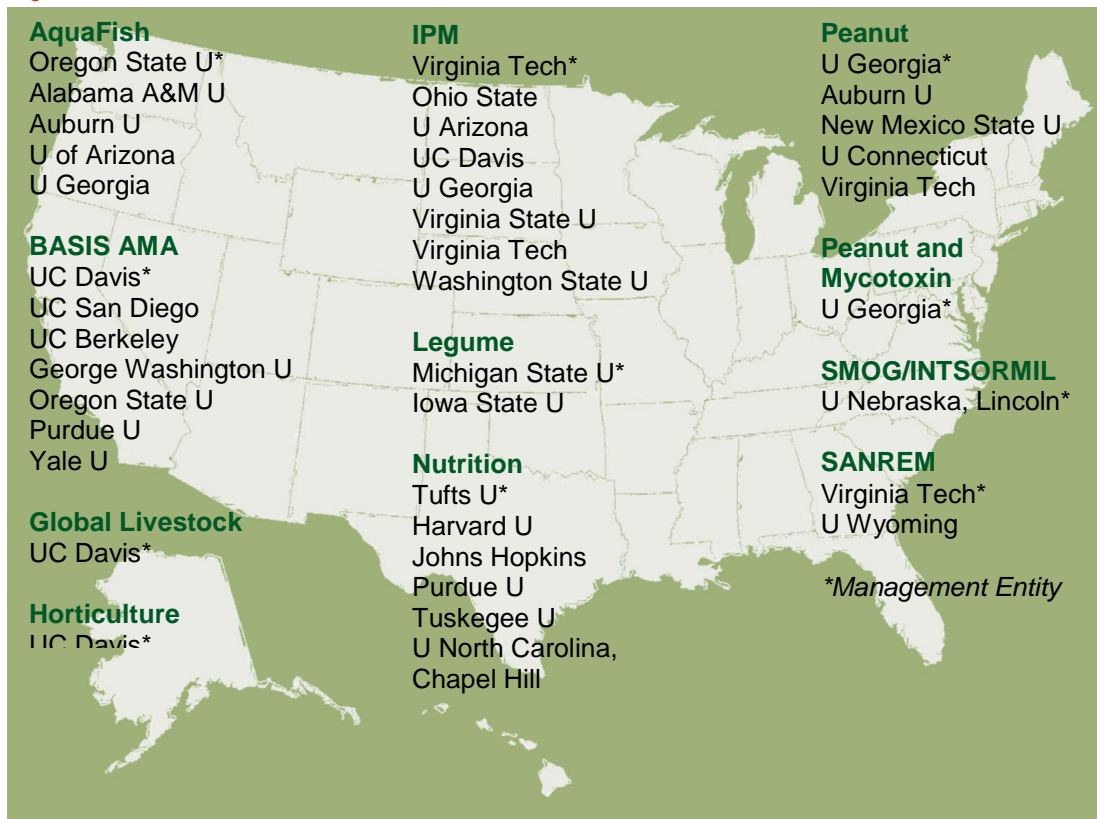
Uganda



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 **115 long-term degree students** from Uganda earning **115 degrees** in disciplines including Agricultural Economics, Agroforestry, Agronomy, Crop Science, Food Science, Plant Breeding and Pathology, Political Science, Soil Science, and Statistics. Bachelors (19.1%), Masters (65.2%) and Ph.D. (15.7%) degrees were granted. Women received nearly **47%** of those degrees. **Makerere University** granted the highest number of degrees with 81 degrees. Students studied at local universities as well as U.S. Universities including Auburn U, Colorado State U, Indiana U, Iowa State U, Ohio State U, U Arkansas, U Connecticut, U Georgia, U Nebraska, Lincoln, U Wyoming, and Virginia Tech and trained under AquaFish, BASIS AMA, Pulse, Global Livestock, Horticulture, IPM, INTSORMIL, Peanut, SANREM, and Trop Soils.

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



Partners in Uganda
(2007 - 2014)

	AquaFish	BASIS AMA	Horticulture	IPM	Legume	Nutrition	Peanut	SANREM
Makerere University	•	•	•	•	•	•	•	•
Gulu University	•					•		
National Agricultural Research Organization			•	•	•			
Agribusiness Initiative Trust			•					
Aquaculture Management Consultants, Ltd.	•							
Appropriate Technology (AT)								•
BRAC Uganda		•						
Coffee Research Institute				•				
Economic Policy Research Center		•						
Eco-Agric Uganda			•					
Grameen Foundation, Uganda		•						
HODFA			•					
Mukono District Local Government			•					
Mwino Group			•					
National Agricultural Research Organization (NARO MUZARDI)			•					
National Crops Resources Research Institute (NaCRRI)					•			
National Fisheries Resources Research Institute – Aquaculture Research & Dev. Center	•							
National Semi-Arid Resources Research Institute (NaSARRI), Serere			•				•	
Our Lady Queen of Apostles Nkokonjeru Parish			•					
Randa United Farmers Group (RUFG)			•					
Reach Your Destiny Consult, Ltd.			•					
Rural Agency for Sustainable Development			•					
Teso Women Development Enterprise			•					
Uganda Christian University			•					
Uganda Environmental Education Foundation			•					
Uganda Network for Community Empowerment			•					
URICT Uganda			•					
VEDCO					•			
Walimi Fish Farmers Cooperative Society	•							
WECA Farmers Association			•					

Innovation Labs for Collaborative Research and CRSP Activities in Uganda (2007 - 2014)

Aquaculture & Fisheries (AquaFish)

- Assessment of market opportunities for small-scale fishers and farmers in central Uganda
- Development of low-cost captive breeding and hatching technologies for the African lungfish (*Protopterus* spp.) to improve livelihoods, nutrition, and income for vulnerable communities in Uganda
- Effects of watershed-water quality-aquaculture interactions on quantity and quality of water from small catchments in South Africa and Uganda

- Evaluation and improvement of production technology in Uganda: Case studies of small-holder cage culture in watershed reservoirs and as an alternative livelihood for fishers
- Market assessment and analysis of aquaculture enterprises in Uganda
- New approaches to inform, motivate, and advance small- and medium-scale fish farmers: Building industry networks through cell phone networks, training, and market participation
- Prospects and potential of the African lungfish (*Protopterus* spp): An alternative source of fishing and fish farming livelihoods in Uganda and Kenya
- Surface catchment development and sustainability evaluation for multipurpose water supply for meeting aquaculture and other water needs
- Training and outreach in Uganda and surrounding nations

BASIS Assets and Market Access (AMA)

- E-Warehousing for Smallholder Farmers
- Natural Capital and Poverty Reduction
- Pathways for Ensuring Access to Assets: Land tenure reform and beyond
- Complementarities of Training, Technology, and Credit in Smallholder Agriculture: Impact, Sustainability, and Policy for Scaling-up

Grain Legumes (Legume) Formerly Dry Grain Pulses

- Enhancing Biological Nitrogen Fixation (BNF) of Leguminous Crops Grown On Degraded Soils In Uganda, Rwanda, And Tanzania
- Enhancing Nutritional Value and Marketability of Beans through Research and Strengthening Key Value Chain Stakeholders in Uganda and Rwanda
- Farmer Decision Making Strategies for Improved Soil Fertility Management in Maize-Bean Production Systems
- Improving Genetic Yield Potential of Andean Beans with Increased Resistances to Drought and Major Foliar Diseases and Enhanced Biological Nitrogen Fixation (BNF)

Horticulture

- Coolrooms and Cool Transport for Small-Scale Farmers
- Extension of Appropriate Postharvest Technology in Sub-Saharan Africa: Postharvest Training & Services Center
- Increasing the Capacity of Smallholder Farmers to Produce and Market Vegetable Crops
- Promoting Fruit and Vegetable Production to Improve Nutrition in Nkokonjeru, Uganda
- Seed Systems: Improving seed quality for smallholders
- Trellis I, II, and III: Engaging US Students in International Development

Integrated Pest Management (IPM)

- Abating Parthenium (*Parthenium hysterophorus* L.) Damage in Eastern Africa Using Integrated Cultural and Biological Control Measures
- IPM Impact Assessment
- International Plant Diagnostic Network
- International Plant Virus Disease Network
- Regional IPM Program in East Africa: Kenya, Tanzania and Uganda
- Thrips Transmitted Tospoviruses

- 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

Nutrition

- Johns Hopkins Bloomberg School of Public Health Nutrition CRSP - Africa Project
- Harvard School of Public Health Nutrition CRSP - Africa Project
- Tuskegee University Nutrition CRSP Africa Project
- DAI Nutrition CRSP Africa Project
- Purdue University Nutrition CRSP Africa Project

Peanut

- Aflatoxin free Peanut-based Recovery and Functional Food
- Enhancing the Peanut Value Chain, from Processing to Marketing of Peanuts and Peanut Products - Processing
- Enhancing the peanut value chain, from processing to marketing peanuts and peanut products
- Enhancing the peanut value chain, from processing to marketing peanuts and peanut products - Product Development
- Global Valencia Peanut Niche Market Development Program
- Improving Livelihoods of Farm Households In Peanut Based Farming Systems In East Africa
- Improving The Health And Livelihood of People of East Africa by Addressing Aflatoxin and Gender-Related Constraints in Peanut Production, Processing and Marketing
- Strategies for Controlling Groundnut Rosette Disease in Sub-Saharan Africa: Breeding for Disease Resistance, Seed Dissemination, Disease Management Education, and Generation of Transgenic Groundnut with Resistance to Groundnut Rosette Disease

Peanut and Mycotoxin

- Peanut Varietal Development: An Integrated Global Breeding and Genomics Approach to Intensifying Peanut Production and Quality

Sorghum, Millet, and Other Grains (INTSORMIL)

- Crop, Soil and Water management to optimize Grain Yield and Quality for Value- Added Markets in Eastern and Southern Africa

Sustainable Agriculture & Natural Resource Management (SANREM)

- CCRA-5: Linking Knowledge and Action - Meeting Natural Resource Management Challenges
- LTRA-10: CAPS for smallholder farms in eastern Uganda and western Kenya

*Activities occurred at varying points from 2007-2014.



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