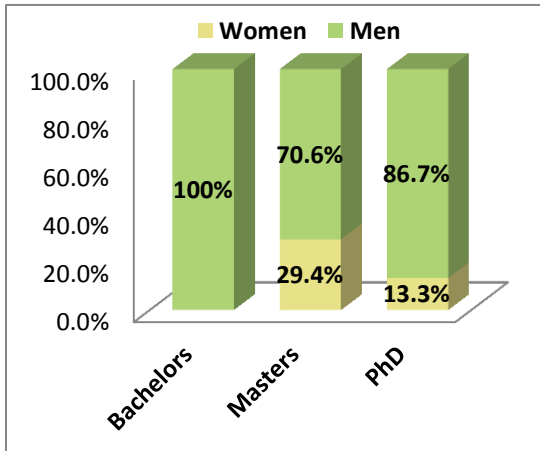




Feed the Future Innovation Labs for Collaborative Research Country Profile

Tanzania



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 **86 long-term degree students** from Tanzania earning **86 degrees** in disciplines including Agricultural Economics, Agronomy, Breeding, Crop and Soil Science, Entomology, Food Science, Horticulture, Nutrition, Pathology, Plant Protection, and Veterinary Medicine. Bachelors (5.8%), Masters (59.3%) and Ph.D. (34.9%) degrees were granted. Women received nearly **23%** of those degrees. **Sokoine University of Agriculture** granted the highest number of degrees at 36 degrees. Students studied at local universities as well as U.S. Universities including Cal Poly, Kansas State U, Michigan State U, Ohio State U, Purdue U, Texas A&M U, U Florida, U Illinois, U Nebraska, Lincoln, U

Wisconsin, and Washington State U and trained under AquaFish, Bean/Cowpea, Pulse, Global Livestock, Horticulture, IPM, INTSORMIL, Pond Dynamics/Aquaculture, and Small Ruminant.

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

AquaFish

- Oregon State U*
- Purdue U
- U Arkansas, Pine Bluff
- U of Hawaii at Hilo
- Virginia Tech

Partners in Tanzania

(2007 - 2014)

BASIS AMA

- UC Davis*
- Columbia U
- Tufts U
- U Alaska-Anchorage
- U Illinois
- U Montana
- U San Francisco
- U Washington

Livestock-Climate Change

- Colorado State U*
- U Arizona
- UC Davis
- U Florida
- U Vermont

IPM

- Virginia Tech*
- Ohio State U
- Virginia State U

	AquaFish	BASIS AMA	Horticulture	IPM	Legume	Livestock-Climate Change	SMOG/INTSORMIL
Sokoine University of Agriculture	•	•	•	•	•	•	•
AVRDC-The World Vegetable Centre			•				
Coffee Research Institute				•			
Dept. of Crop Research							•
Fisheries and Aquaculture Development Division	•						
Glorious (Women's group - Kinondoni District)							•
Hombola Research Station							•
Ilonga Agricultural Research Center							•
Institute of Rural Development Planning (IRDP) in Dodoma		•					
IITA				•			
Kitangari Tulinge Women Development Association (KITUWODEA)							•
Kitangari Tulinge Women Development Association (KITUWODEA)							•
KPL		•					
Ministry of Agriculture Food Security and Cooperatives, United Republic of Tanzania			•				
Ministry of Natural Resources and Tourism	•						
NZASA women's group							•

Partners in Tanzania (2007 - 2014)		AquaFish	BASIS AMA	Horticulture	IPM	Legume	Livestock-Climate Change	SMOG/INTSORMIL
IPM Virginia Tech* Ohio State U Virginia State U	PAMS Foundation				●			
Legume Michigan State U* Iowa State U Penn State U U of Puerto Rico	Rufiji Water Basin Board						●	
SMOG/INTSORMIL U Nebraska, Lincoln* Kansas State U Ohio State U Purdue U Texas A&M U West Texas A&M	Ruhaha District Veterinary Officer						●	
	Sapporo Mobi-Vet			●				
	Southern Highlands Region Veterinary Investigation Center						●	
	St. John's University			●				
	Tanzania Food and Nutrition Centre							●
	The Glorious group							●
	University of Dar es Salaam	●	●					
	USAID/TZ		●					
<i>*Management Entity</i>	Western Indian Ocean Marine Science Association	●						
	World Vision		●					

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

Adapting Livestock Systems to Climate Change

- Risk, Perception, Resilience, And Adaptation to Climate Change in Niger and Tanzania
- Strengthening Tanzanian Livestock Health and Pastoral Livelihoods in a Changing Climate

Aquaculture & Fisheries (AquaFish)

- Assessing the nutritional impact of aquaculture policy in fish farming districts in Tanzania and Ghana
- Coastal women's shellfish aquaculture development workshop
- Developing feeding strategies for *Moringa oleifera* and *Leucaena leucocephala* as protein sources in tilapia diets
- Development of locally available feed resource base in Tanzania
- Enhancing the profitability of small aquaculture operations in Kenya and Tanzania (*Associate Award*)
- Evaluation of invertebrates as protein sources in Nile tilapia (*Oreochromis niloticus*) diets
- Evaluation of performance of different tilapia species
- On farm verification of tilapia-catfish predation culture
- Spat collection and nursery methods for shellfish culture by women
- Value chain analysis of farmed Nile tilapia (*Oreochromis niloticus*) and African catfish (*Clarias gariepinus*) in Tanzania

BASIS Assets and Market Access (AMA)

- Developing a Satellite based Index to Predict Crop Yields in Smallholder Agriculture
- Evaluating the effect of site-specific soil information on farmer input choices and the relationship between poverty and soil quality
- Communication, Search, and Mobile Phones: A Telephone Directory Intervention in Tanzania
- Rural Livelihoods and Institutional Reform in Small-Scale Fisheries in Tanzania

Grain Legumes (Legume) Formerly Dry Grain Pulses

- 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
- Enhancing biological nitrogen fixation (BNF) of leguminous crops grown on degraded soils in Uganda, Rwanda, and Tanzania
- Improving Nutritional Status and CD4 Counts in HIV-Infected Children Through Nutritional Support
- Improving Bean Production in Drought-Prone, Low Fertility Soils of Africa and Latin America – An Integrated Approach

Horticulture

- Concentrated Solar Drying of Mango and Tomato
- Extension of Appropriate Postharvest Technology in Sub-Saharan Africa: A Postharvest Training and Services Center
- Indigenous African Leafy Vegetables (ALV) for Enhancing Livelihood Security of Smallholder Farmers in Kenya
- Seed Systems: Improving seed quality for smallholders
- Sustainable African indigenous vegetable production and market-chain development
- Trellis II: Engaging U.S. Students in International Development
- Abating Parthenium (*Parthenium hysterophorus* L.) Damage in Eastern Africa Using Integrated Cultural and Biological Control Measures
- Regional IPM Program in East Africa: Kenya, Tanzania and Uganda
- Trellis III: Engaging US Students in International Development

Sorghum, Millet and Other Grains (INTSORMIL)

- Breeding Sorghum for Improved Resistance to Biotic and Abiotic Stresses and Enhanced End – Use Characteristics for Southern Africa
- Breeding Sorghum for Improved Resistance to Striga and Drought in Africa
- Building a Sustainable Infrastructure for the Product Development and Food Entrepreneur/ Industry Technical Support: A Strategy to promote Increased Use of Sorghum and Millet in East Africa
- Crop, Soil and Water management to optimize Grain Yield and Quality for Value- Added Markets in Eastern and Southern Africa
- Grain Molds, Mycotoxins and Stalk Rots of Soghum and Millet
- Market Development in Support of Sorghum and Millet Farmers in Tanzania and Zambia

*Activities occurred at varying points from 2007-2014.



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