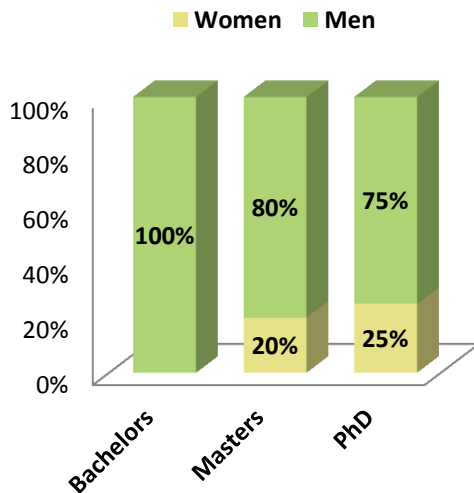




Feed the Future Innovation Labs for Collaborative Research Country Profile

Senegal



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 **17 long-term degree students** from Senegal earning **18 degrees** in disciplines focusing on Agricultural Economics, Breeding, Dryland Resource Management, Entomology, and Toxicology. Students received Bachelors (5.6%), Masters (27.8%), and Ph.D (66.7%) degrees. Women received nearly **23%** of those degrees. **Purdue University** and **Texas A&M University** granted the highest number of degrees with 3 and 3 respectively. Students studied at local universities as well as U.S. Universities including Kansas State U, Purdue U, Texas A&M U, U California, Riverside, U Hawaii, and U Nebraska, Lincoln under Bean/Cowpea, IPM, INTSORMIL, Livestock-Climate Change, Peanut, Pulse, Soil Management, and Trop Soils.

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

Horticulture

U California, Davis*

IPM

Virginia Tech*
Fort Valley State U
Ohio State U
Purdue U
U California, Davis

Legume

Michigan State U*
U California, Riverside
U Puerto Rico

Livestock-Climate Change

Colorado State U*
South Dakota State U
Syracuse U
Texas A&M
U Wisconsin, Madison

Peanut and Mycotoxin

U Georgia*

*Management Entity

Sorghum and Millet

Kansas State U*
Purdue U
U Florida
Texas A&M U
Virginia Tech
West Texas A&M U

SMOG/INTSORMIL

U Nebraska, Lincoln*
Kansas State U
Purdue U
Texas A&M
U Arizona
U Georgia

Partners in Senegal

(2007 -2014)

	Horticulture	IPM	Legume	Livestock-Climate Change	Sorghum and Millet	SMOG/INTSORMIL
Institut Sénégalais de Recherches		●	●	●	●	●
Institut de Technologie Alimentaire						●
Université Cheikh Anta Diop						●
ADC Super Crown	●					
Center of Research and Ecotoxicology of the Sahel (CERES/Locustox)		●				
Direction de la Protection des Vegetaux		●				
Groupement Ande Liguéy	●					
National Agricultural Research Institute		●				
Réseau Africain de Développement de l'Horticulture		●				
Yaajeende project				●		

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

Adapting Livestock Systems to Climate Change

- Management of river systems for the future/La gestion des systemes fluviaux pour l'avenir
- Transhumance, natural resources, and conflict in the Sahel: a pilot project

Horticulture

- Trellis III: Engaging US Students in International Development

Integrated Pest Management (IPM)

- International Plant Virus Disease Network
- West African Regional Consortium for IPM Excellence

Grain Legumes (Legume) Formerly Dry Grain Pulses

- Genetic improvement of cowpea to overcome drought and biotic constraints to grain productivity
- Impact assessment of Bean/Cowpea and Dry Grain Pulses CRSP investments in research, institutional capacity building, and technology dissemination in Africa, Latin America and the U.S.
- Modern Cowpea Breeding to Overcome Critical Production Constraints in Africa and the U.S.

Peanut and Mycotoxin

- Peanut Genomics: Translational Genomics to Reduce Pre-Harvest Aflatoxin Contamination of Peanut
- RNAi Silencing of Aflatoxin Synthesis: Silencing of Aflatoxin Synthesis Through RNA Interference (RNAi) in Peanut Plants

Sorghum and Millet

- Accelerating the genetic enhancement of sorghum in West Africa with genomics-enabled breeding
- Biological control of the millet stem borer and the millet head miner in Niger and Senegal
- Development of biotic stress-resistant sorghum cultivars for Niger and Senegal
- Expanding markets for sorghum and millet farmers in West Africa through strengthening of entrepreneur processors and nutrition-based promotion of products
- Optimization of the seed ball technology for pearl millet, and agronomic and socio-economic evaluation in the context of smallholder farmers in Senegal and Niger
- Trait Development Pipeline for Food and Feed Value in Sorghum

Sorghum, Millet, and Other Grains (INTSORMIL)

- Enhancing the Utilization and Marketability of Sorghum and Pearl Millet through Improvement in Grain Quality, Processing Procedures and Technology Transfer to the Poultry Industry
- Breeding Pearl Millet with Improved Stability, performance, and Resistance to Pests
- Development of the Input and Product Markets in West Africa for Sorghum and Millet
- Product and Market Development for Sorghum and Pearl Millet in West Africa

*Activities occurred at varying points from 2007-2014



May 2014. This publication was produced for review by the United States Agency for International Development. It was prepared by the Digest Project through support provided to Cultural Practice, LLC under contracts with US universities supported by the Bureau for Food Security, U.S. Agency for International Development (USAID). The opinions expressed herein are those of the authors and do not necessarily reflect the views of the USAID.