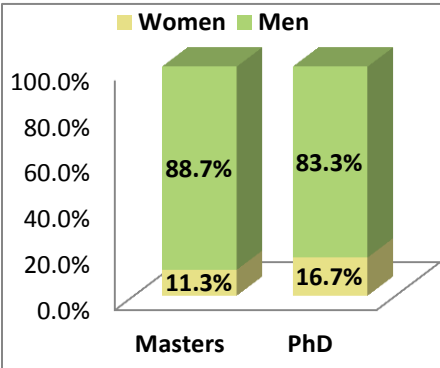




## Feed the Future Innovation Labs for Collaborative Research Country Profile

### Nepal



### 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 **65 long-term degree students** from Nepal earning **65 degrees** in disciplines including Agronomy, Crop and Soil Sciences, Plant Pathology, Nutrition Science and Policy, and Veterinary Medicine. Both Masters (81.5%) and Ph.D. (18.5%) degrees were granted. Women received over **12%** of those degrees. **Tribhuvan University** and the **Institute of Agriculture and Animal Science (IAAS)** granted 25 and 11 degrees respectively. Students studied at local universities as well as U.S. Universities including Cornell U, North Carolina State U, Ohio State U, Tufts U/Ras Al Khaimah, and University of Nebraska, Lincoln

and trained under AquaFish, Nutrition, Horticulture, IPM, INTSORMIL, Livestock-Climate Change, and Soil Management.

### U.S. University Partners, Nepal (2007 - 2014)

#### AquaFish

Oregon State U\*  
U Michigan

\*Management  
Entity

#### BASIS AMA

UC Davis\*  
U Georgia  
U Montana

#### Horticulture

UC Davis\*  
Michigan State U

#### IPM

Virginia Tech\*  
Penn State U  
Virginia Tech  
Ohio State U

#### Livestock-Climate Change

Colorado State U\*  
Utah State U  
Arizona State U  
U Louisiana, Lafayette

#### Nutrition

Tufts U\*  
Harvard U  
Johns Hopkins U  
Purdue U  
Tuskegee U

#### SANREM

Virginia Tech\*  
U Hawaii, Manoa

### Partners in Nepal

(2007 - 2014)

	AquaFish	Horticulture	IPM	Livestock-Climate Change	Nutrition	SANREM
International Development Enterprises (iDE)		•	•			
Institute of Agriculture and Animal Science (IAAS) of Tribhuvan University	•					•
Tribhuvan University					•	
Agriculture and Forestry University	•					
Center for Agricultural Policy Research, Extension and Development (CEAPRED)		•				
CIMMYT			•			
Directorate of Fisheries Development	•					
Ecological Services Centre (ECOSCENTRE)		•				
Government of Nepal – Ministry of Agriculture and Cooperatives				•		
Knowledge-based Integrated Sustainable Agriculture and Nutrition Project (KISAN)			•			
KSIC-EQUIP		•				
Nucleus for Empowerment through Skill Transfer (NEST)				•		
Local Initiatives for Biodiversity, Research and Development (LI-BIRD)						•
Nepal Agricultural Research Council (NARC)	•	•	•			
Nucleus for Empowerment through Skill Transfer (NEST)				•		
Rural Integrated Development Society	•					
Sustainable Agriculture Development Program Nepal (SADP)		•				

## Innovation Labs for Collaborative Research and CRSP Activities in Nepal (2007 - 2014)\*

### Adapting Livestock Systems to Climate Change

- Past and Future Climate Assessments of Livestock Vulnerability in Nepal
- Livestock, Livelihoods and Climate Change Interaction: Collaborative Research in the Mountains of Nepal
- Capacity-building and Strengthening of Livestock Production Systems While Adapting to Climate Change in Nepal

### Aquaculture & Fisheries (AquaFish)

- Demonstrating the value of tilapia and sahar production in polyculture ponds using government farm and on-farm trials
- Establishing school ponds for fish farming and education to improve health and nutrition of women and children in rural Nepal
- Experimental pond unit assessment in southern Nepal
- Household fish ponds in Nepal: Their impact on fish consumption and health of women and children, their constraints determined by value chain analysis, and their extension through school women's fish farming groups
- Incorporation of tilapia (*Oreochromis niloticus*) and sahar (*Tor putitora*) into the existing carp polyculture system of Nepal
- Polyculture of sahar (*Tor putitora*) with mixed-sex Nile tilapia (*Oreochromis niloticus*)
- Production of periphyton to enhance yield in polyculture ponds with carps and small indigenous species
- Reproduction and seed production of sahar (*Tor putitora*) in Chitwan, Nepal
- Two small indigenous species to improve sustainability in typical polyculture systems in Nepal
- Value chain analysis of carp polyculture systems in southern Nepal

### BASIS Assets and Market Access (BASIS AMA)

- Evaluation of the Welfare Impacts of a Livestock Transfer Program in Nepal

### Horticulture

- Cell Phone Enabled Personalized Agro-Advisory Services for Horticultural Crops in South Asia
- New Technology for Postharvest Drying and Storage of Horticultural Seeds
- Seed Systems: Improving seed quality for smallholders
- Trellis I, II, and III: Engaging U.S. Students in International Development

### Integrated Pest Management (IPM)

- International Plant Diagnostic Network
- International Plant Virus Disease Network
- IPM CRSP South Asia Regional Program
- IPM Impact Assessment
- Regional Integrated Pest Management Research and Education for South Asia

### Nutrition

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

### Sustainable Agriculture & Natural Resource Management (SANREM)

- LTRA-11: CAPS among tribal societies in India and Nepal

\*Activities occurred at varying points from 2007-2014



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