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.


AquaFish
Oregon State U*  U Michigan

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)

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### 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*