

KANSAS STATE UNIVERSITY INNOVATION

LABS Feed the Future is the U.S. Government's global hunger and food security initiative that targets 12 low-income countries in Latin America, sub-Saharan Africa and Asia to accelerate inclusive agricultural growth, strengthened resilience and improved nutrition. Feed the Future Innovation Labs draw on the expertise of top U.S. universities to tackle some of the world's greatest challenges in agriculture and food security. Kansas State University is home to four Innovation Labs.

FEED THE FUTURE INNOVATION LAB FOR COLLABORATIVE RESEARCH ON SORGHUM AND MILLET



Collaborative Research on Sorghum and Millet

The Sorghum and Millet Innovation Lab (SMIL) is a global hub of cutting-edge research focused on increasing the resiliency of small-scale sorghum and millet producers in the face of climate change and creating entrepreneurial opportunities to reduce poverty and hunger. The Lab's portfolio is aimed at the development of new technologies, management practices and food and feed products to help serve some of the world's most vulnerable populations. SMIL operates in Burkina Faso, Ethiopia, Haiti, Mali, Niger and Senegal.

Awarded July 2013 | \$13.7 million | additional \$1.1 million in USAID Mission-funded buy-ins | k-state.edu/smil

FEED THE FUTURE INNOVATION LAB FOR THE REDUCTION OF POST-HARVEST LOSS



Post-Harvest Loss Reduction

The Post-Harvest Loss Innovation Lab (PHLIL) seeks to improve global food security by reducing post-harvest losses in stored product crops, such as grains, oilseeds, legumes, root crops and seeds. The Lab's efforts are focused in Bangladesh, Ethiopia, Ghana, Guatemala, Honduras and Nepal, with previous work in Afghanistan. Through collaborations between U.S. universities and local universities, research institutions and other partner organizations, PHLIL is conducting research, testing and outreach related to drying, storage and mycotoxin detection for key crops.

Awarded January 2014 | \$8.5 million | additional \$3 million in USAID Mission-funded buy-ins | k-state.edu/phl

FEED THE FUTURE INNOVATION LAB FOR COLLABORATIVE RESEARCH ON SUSTAINABLE INTENSIFICATION



Collaborative Research on Sustainable Intensification

The Sustainable Intensification Innovation Lab (SIIL) aims to become the global leader in interdisciplinary research, knowledge sharing and capacity building on sustainable intensification, producing measureable impacts on reducing global hunger and poverty, and improving the nutrition of smallholder farmers. Operating in Bangladesh, Cambodia, Burkina Faso, Senegal, Ethiopia, Tanzania and Malawi, the SIIL also includes the Geospatial and Farming Systems Research and the Appropriate Scale Mechanization Consortia.

Awarded September 2014 | \$32 million | k-state.edu/siil

FEED THE FUTURE INNOVATION LAB FOR APPLIED WHEAT GENOMICS



Applied Wheat Genomics

The Applied Wheat Genomics Innovation Lab is using cutting-edge genomics to accelerate development of climate-resilient, high-yielding and farmer-accepted wheat varieties—contributing to food and income sustainability in South Asia, and the world. By combining phenotypic and genotypic data from our trials in Mexico, India, Pakistan and Bangladesh, along with historical data, we are building the largest public database of elite candidate wheat varieties in the history of wheat breeding, enabling better prediction models for new wheat varieties.

Awarded October 2013 | \$5 million | k-state.edu/wheat-innovation-lab