

Feed the Future Innovation Labs

Climate Resilient Chickpea

The Climate Resilient Chickpea Innovation Lab emphasizes the crop-based traits of climate resilience and nutrition, focusing genetic improvement on the needs of small holder farmers in Ethiopia and India. In both countries chickpea is key to food security, providing a vital source of protein nutrition and income. In Ethiopia, smallholder farms dominate chickpea's production acreage, with low and variable yields. Though India is both the largest producer and consumer of chickpea, yields are significantly below those in intensively managed systems. This project fosters breeding of high-yielding, climate resilient chickpea within the context of user-preferred traits: seed quality and nutrient density, reduced inputs due to climate resilient nitrogen fixation, and biotic stress resistance among them. To learn more about the Climate Resilient Chickpea IL, please visit: <http://chickpealab.ucdavis.edu/>

Collaborative Research on Sustainable Intensification

Led by Kansas State University, the IL on Sustainable Intensification tapped on UC Davis expertise on the component on Evaluation of Dissemination Pathways in the Use, Adoption, and Impact of Research Outputs of FtF Innovation Labs with the primary objective of gaining a better understanding of the dissemination, use and adoption of research outputs from USAID-funded Feed the Future Innovation Labs (ILs) and its predecessor program, Collaborative Research Support Projects (CRSPs). It focused on research outputs after they were transferred to the entities facilitating their dissemination. Dissemination is defined in this study as “active and planned efforts to encourage target groups to adopt an innovation.” To learn more about the SILL, please visit: <https://www.k-state.edu/siil/index.html>

Genomics to Improve Poultry

The USAID Feed the Future Innovation Lab for Genomics to Improve Poultry seeks to improve the production of chicken and eggs by households and small farmers, and thereby improve food security, nutrition and livelihoods in Africa. In its first phase, the program applied advance genetics and genomics approaches to sustainably enhance innate resistance to Newcastle disease and heat stress in chickens to improve production. In its 2nd phase that is currently being implemented, the emphasis is in developing a comprehensive platform for genetic selection of resilience to Newcastle virus and other economically important traits. To learn more about the Genomics to Improve Poultry IL, please visit: <https://gip.ucdavis.edu/>.

Markets, Risk & Resilience

The Feed the Future Innovation Lab for Markets, Risk & Resilience (MRR) at UC Davis develops and tests financial and market innovations that take the most promising agricultural tools for families in developing economies from the lab to the field. Its mission is to generate and transfer knowledge and innovations that promote resilience and empower rural families, communities and markets to share in inclusive agricultural growth. To learn more about MRR, please visit: <https://basis.ucdavis.edu/>.