

Project Summary

Title	Development of plant nutrient efficient use sorghum varieties to support livelihood strategies east African farmers.
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Purpose	To develop efficient and effective sorghum breeding systems for use by sorghum breeders in Uganda and Kenya to produce high yielding adaptable and resilient varieties for farming communities. This outcome will result from the following objectives.
Project Summary	The project will focus on development of methodologies and technologies to improve breeding of resilient sorghum varieties for farming communities who live in marginal and drought prone areas of Kenya and Uganda. The focus is on improved nitrogen, phosphorus use and uptake and tolerance to aluminium toxicity. The project will employ a research and training approach that uses genomics, quantitative genetics and plant physiology to develop breeding systems for sorghum improvement as well as resilient sorghums. This project builds on-going efforts both at Makerere and Moi Universities. It will involve other partners who are part of ongoing efforts as well as attract new ones as necessary. The study will involve 2 MSc students.
Country and Specific Location(s)	Uganda and Kenya
Participating Institutions	Department of Crop Science, Faculty of Agriculture Makerere University, Moi University (MU). The Department of Biological Sciences
Start Date	October, 2009
End date	August, 2011
Amount of Funding	USD 60,000