



2013 BHEARD Scholar
Princess Adjei-Frimpong

Profile

Position:	Graduate Assistant
Institution:	University of Ghana
Country:	Ghana
MSc:	Crop Science, University of Ghana
Mentored by:	US: Sieg Snapp Plant, Soil and Microbial Sciences Michigan State University GHANA: Bernard Agyeman-Boateng Department of Crop Science University of Ghana

Research Area: Plant, Soil and Microbial Sciences

BHEARD PROGRAM START DATE: August 2013

HOMETOWN: Mankessim, Ghana

UNDERGRADUATE EDUCATION: Crop Sciences, University of Ghana

GRADUATE EDUCATION: Crop Sciences, University of Ghana

RESEARCH INTERESTS: Princess's research interest is in modeling sorghum-pigeon pea diversified systems for Northern Ghana. The research would focus on modeling Ghanaian farming systems and their impact on crop yield. Declining soil fertility, water shortages and resource degradation are serious challenges affecting sustainability of food security in Africa. Smallholder farmers are challenged with increasing food production to meet the growing population under these conditions. Sustaining food production would therefore, require strategies for improving soil fertility and conserving soil moisture. This makes assessing the impacts of management strategies on yield using crop models very important and a step in helping smallholder farmers sustain food crop production.

Back home in Ghana her research interest was in the area of crop physiology. She studied the partitioning of assimilates in Celosia, a vegetable and ornamental plant, towards enhancing its productivity. Her research interests expanded when she had the opportunity to work with AfricaRISING; a USAID funded project in Northern Ghana on sustainable intensification of mixed crop-livestock systems.

Currently, she is focusing on sorghum-pigeon since they are the main staple crops in Ghana and Africa, and with the potential of contributing towards better food security, improved livelihoods and a healthy environment.

PERSONAL STATEMENT: Princess describes herself as being a self-motivated, enthusiastic person who enjoys working in challenging environments. Her goal is to become a researcher and a lecturer in crop science (Agroecology). She is passionate about helping smallholder farmers to improve on their circumstances, and sustainably increasing their crop production with improved soil fertility through ecologically sound management strategies is a right course of action. In her spare time she enjoys reading, watching movies, spending time with the family, and sightseeing.