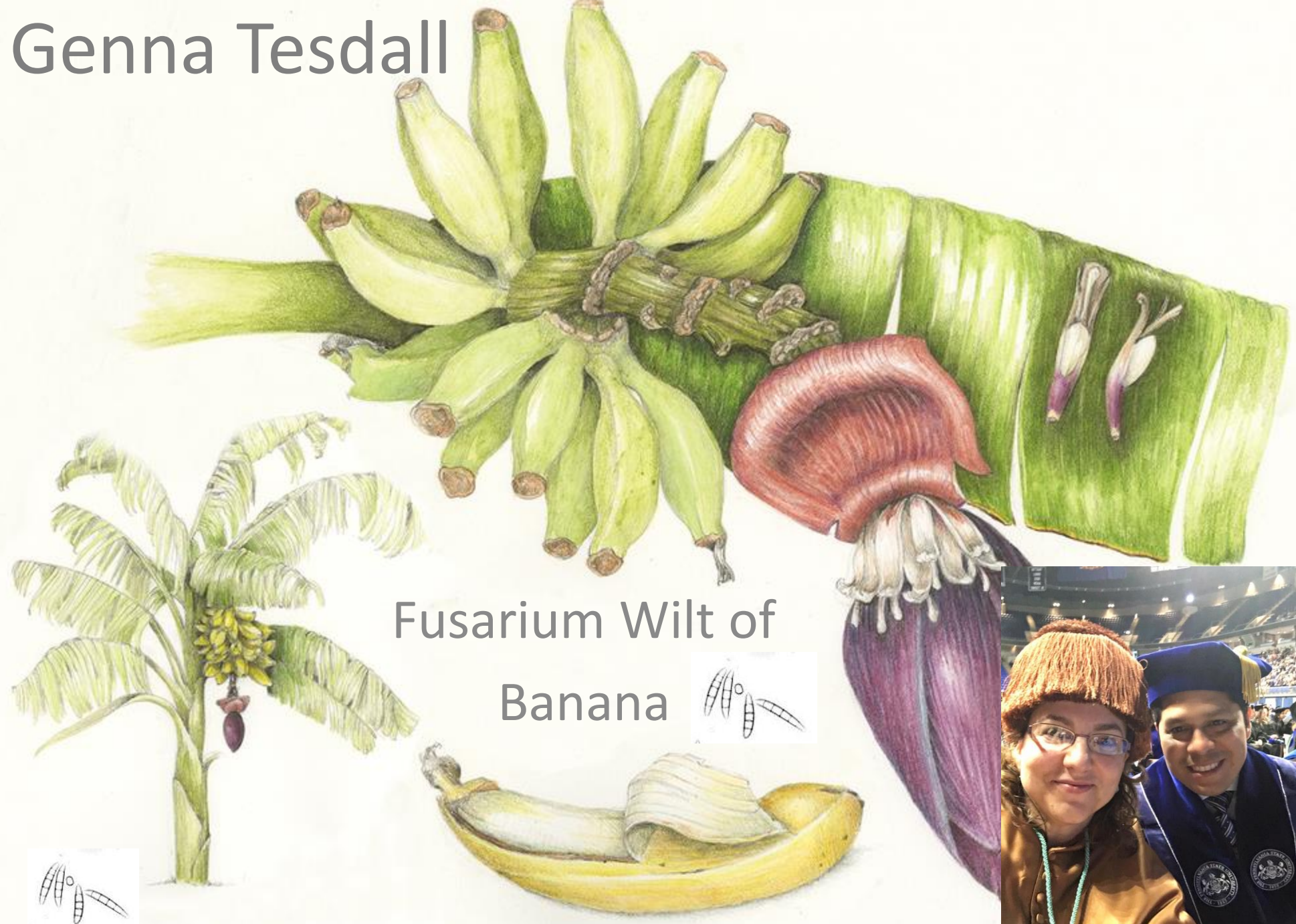


# National Maize Fortification Feasibility Study: Kenya and Tanzania

Evania Robles



# Genna Tesdall



Fusarium Wilt of  
Banana



# Tomato Seed Production and Distribution in Uganda.



**Ms. Caroline**



**Sharon Tusiime, June 2018**



**Research Interests:**

I conduct research in the areas of:

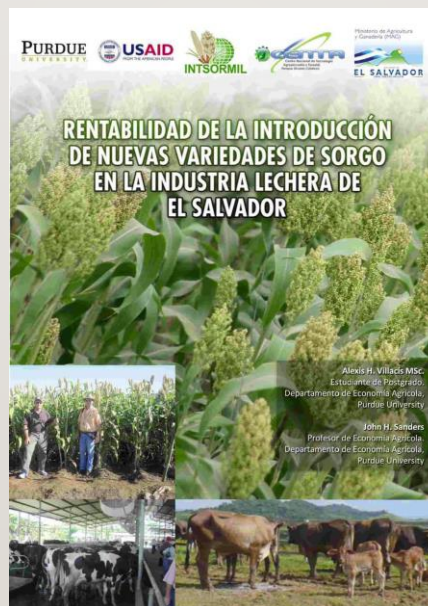
- International development.
- Impact assessments.
- Agricultural production economics.

My research seeks to develop and apply methods for evaluating social and economic impacts of agricultural and rural development programs:

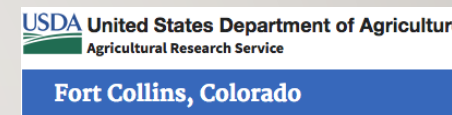
- For assessing means of reducing poverty and vulnerability in rural areas of developing countries.
- For setting agricultural research priorities.

**Previous work:**

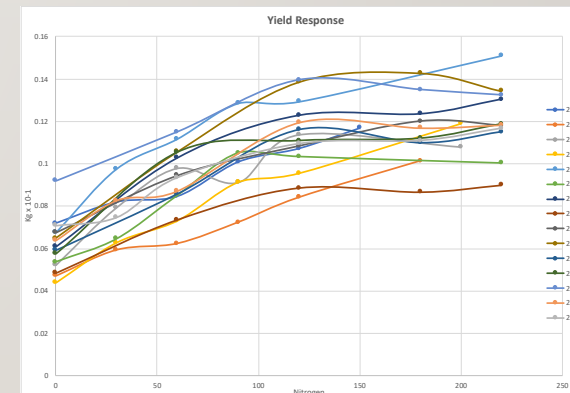
Returns to the introduction of new sorghum cultivars into the dairy industry of El Salvador.



**Current work:**



Stochastic Yield Response Functions to Nitrogen for Corn Rotations and Best Management Practices for Soil in the Great Planes: Profitability and Risk



# INTERNATIONAL AGRICULTURAL DEVELOPMENT

- Adoption and diffusion of innovations
- Post-harvest management
- Agribusiness management
- Secondary impacts



Tegan Walker  
Doctoral Student

Auburn  
University



**Problem** – Micronutrient Deficiencies

**Solution** – Food Fortification

Afflict **2 billion** people worldwide  
**Fe, I, Zinc, Vitamin A, Folic acid,**  
**K, Vitamin B12, Vitamin D, Vitamin E**



**HOWEVER, successful fortification programs have**

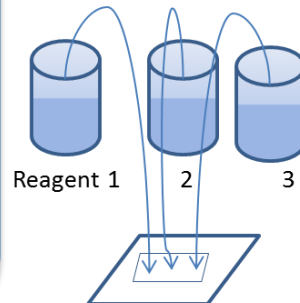
- Supportive legislation
- Compliance monitoring
- Quality control, and

**REQUIRE EXPENSIVE INSTRUMENTATION**

Mobile assisted, Paper-Based Nutrient Assays

1

Create test strip on paper matrix



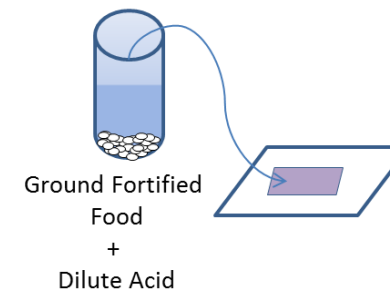
2

Dry paper and get ready for analysis



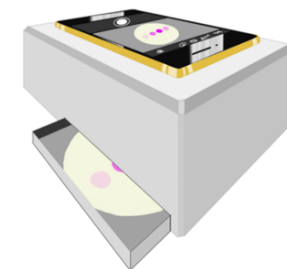
3

Deposit sample onto paper



4

Read paper



Anna Waller, Ph.D. Student  
IGNITE – Illinois Global Nutrition  
Technology Laboratory  
Department of Food Science and  
Human Nutrition  
University of Illinois,  
Urbana-Champaign  
[awaller2@illinois.edu](mailto:awaller2@illinois.edu)

