

Feed the Future: Innovation Lab for Integrated Pest Management Trip Report

Country(s) Visited: South Africa

Dates of Travel: 11 – 16 Dec. 2018

Travelers' Names and Affiliations: Jacob B. van Kretschmar (Affiliation: Center for Integrated Pest Management, North Carolina State University)

Purpose of Trip: The travel was to (1) collect groundnut leafminer (GLM) specimens from small-holder groundnuts in Manguzi (northeast SA). Specimens were brought back to the United States for gene (mtCO1) sequence analysis and (2) to meet and discuss the project with researchers collaborating on GLM collection.

Sites Visited: (1) Dept. of Agriculture, University of Zululand, KwaDlangezwa (2) small-holder plots, Manguzi, (northeast SA).

Description of Activities/Observations:

1. Met with our collaborators at the University of Zululand. Discussed the status of the project.
2. Surveyed small-holder plots in Manguzi for GLM. Collected GLM specimens and brought to NCSU for mtCO1 sequence analysis. The sequences for these will be compared to those for other field-collected specimens, and to database reference sequences.

Training Activities Conducted:

Some activities included below

Program type (workshop, seminar, field day, short course, etc.)	Date	Audience	Number of Participants		Training Provider (US university, host country institution, etc.)	Training Objective
			Men	Women		
Field visit	14 Dec. 2018					Collect GLM samples

Suggestions, Recommendations, and/or Follow-up Items:

UZu collaborators agreed to communicate with North-West University (Potchefstroom) to coordinate collection of GLM in central SA.

List of Contacts Made:

Name	Title/Organization	Contact Info (address, phone, email)
Dr. Godfrey Zharare	Head, Dept. of Agriculture, U. of Zululand	ZharareG@unizulu.ac.za
Dr. N. Makhosi Buthelezi	Department of Rural Development & Community Engagement, Mangosuthu U. of Technology	buthelezim@mut.ac.za
Mr. Leonard N. Zwivhuya	Dept. of Agriculture, U. of Zululand	ndouzl@gmail.com