

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

Country(s) Visited: Morogoro, Tanzania.

Dates of Travel: 18-21 Dec 2018

Travelers' Names and Affiliations: Tadele Tefera

Purpose of Trip: The objectives of the trip were:

- To accompany Dr Sundar External Evaluator of the project
- To organize meeting with local coordinators, partners and farmers beneficiaries

Description of Activities/Observations:

The presentations were made by:

Elibariki Nsami- Promotion of the push pull technology to manage stem borers and striga in Tanzania

- The presentation covered number of farmers reached, number of extension agents and farmers trained, number of demonstrations made.

Charles Chuwa- Screening rice genotypes for blast and yellow mottle virus and promotion of blast and yellow mottle virus tolerant varieties.

- The presentation covered number of genotypes screened, farmers reached with improved varieties, number of extension agents and farmers trained, number of demonstrations made

Bonaventure January: Management of rice stem borers in irrigated low land rice ecosystem in Tanzania. He covered the following topics:

- Farmers' perceptions of rice production constraints and stem borers management practices in irrigated low land rice ecosystem in Kilombero valley, Morogoro, Tanzania

- Species abundance and damages associated with Lepidopteran stem borer in irrigated low land rice eco system in Tanzania
- Distribution of rice stem borers and their parasitoid in irrigated low land rice ecosystem in Kilombero valley, Morogoro, Tanzania
- Efficacy of selected mycoinsecticides and botanical extracts in managing rice stem borer, *Chilo partellus* (Swinhoe) (Lepidoptera: Crambidae) in Tanzania
- Effects of spacing and nitrogen fertilizer on incidences of rice stem borers in irrigated rice ecosystem

Ibrahim Hashim: Rice blast disease (*Pyricularia oryzae* Cav.): incidence, severity, genotype reaction and management in upland rice in Tanzania

- Smallholder farmers' knowledge, perception and management of rice blast disease in upland rice production system in Tanzania
- Reduction of rice blast disease initial inocula on rice seeds by microbial and hot water seed treatments
- *In vitro* and *in vivo* evaluation of microbial agents for management of rice blast disease in Tanzania
- Effect of rice blast disease severity on yields of selected upland rice genotypes grown in Tanzania
- Field survey to establish the incidence and severity of rice blast disease in upland rice ecosystem in Tanzania

Beneficiary farmers and extension agents attended the meeting with Dr Sundar were:

| SN | NAME OF PARTICIPANT | | SEX | Position | Village |
|----|---------------------|--|-----|-------------|---------|
| 1 | Nasibu Katoto | | M | Lead farmer | Dakawa |
| 2 | Ruth Mzenge | | F | Ex. Officer | Mvomero |
| 3 | Amina S. Mgunda | | F | Lead farmer | Mikese |
| 4 | Rehema R. | | F | Ex. Officer | Mikese |

| | Bakari | | | | |
|----|----------------------|--|---|--------------------|------------|
| 5 | Patrick Tilina | | M | Lead farmer | Mvuha |
| 6 | Anna Ngowo | | F | Ex. Officer | Mvuha |
| 7 | Zuberi Mohamedi | | M | Lead farmer | Mkambani |
| 8 | Khadija Said | | F | Lead farmer | Mkindo |
| 9 | Julie A. Mbwire | | F | Lead farmer | Msufini |
| 10 | Victoria Mkembo | | F | Lead farmer | Kigugu |
| 11 | Aziza Omary | | F | Lead farmer | Mbogo |
| 12 | Elizabeth Mwita | | F | Lead farmer | Lukenge |
| 13 | Rehema Gombe | | F | Lead farmer | Dihinda |
| 14 | Prosper Malya | | M | Lead farmer | Mkambarani |
| 15 | Abdalah Ibrahim | | M | Lead farmer | Mkindo |
| 16 | Bhutoh Juma | | M | Lead farmer | Kisese |
| 17 | Amina G. Mwaibula | | F | officer- NAFAKA | |

Discussion held with the farmers include that farmers acknowledged the contribution of the project in managing rice and maize pests, they gained new skills and knowledge, and requested timely provision of seeds and training on the IPM technologies.