

ENGLISH (EN)

# Training Plan for Global Grants

## Grant number: Enter text here

For each training activity included in the global grant, provide the following information, as applicable (add additional boxes as necessary):

### Training 1

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| 1. What is the training topic?
 | 1. Demonstration of assembly of the hand planter
2. Maize planting dynamics, importance and seeding rate
3. Practical demonstration of planter use in the field
4. Technical guide on project administration
5. Local construction of the hand planters in Lira
 |
| What are the objectives of the training? Provide the curriculum. | 1. To demonstrate assembly of the hand planter to the participating farmers and farmer advisers.

The training will entail practical demonstration of the assembly of the hand planter parts that include; Steel Pin with wire lock, Outer Housing, PVC threaded adopter, Singulating drum, Inner barrel, Transfer arm, Compression spring, Wire Pin and washer and Bushing/Tip. It will also include maintenance requirements after use and storage of important spare parts among others.1. To communicate importance of seeding rate and plant spacing variability. This section will include; - Heterogeneity in seed sizes across different maize cultivars

- Maize planting techniques, reduced row distance both within and between row distance -Importance of singulation - General agronomic management of maize including weeding or herbicide application. - Fertilizer application and management, fertilizer types, rates and timing. 1. Provide hands-on knowledge on use of planter in the field.
* How to optimize strike force for efficient seed delivery
* Fertilizer or urea drum replacement
* Drum modification to cater for seed size heterogeneity
* Seed hopper filling and refiling
* Striking pace as well as depth
1. Guide local rotary project administrators on technical aspect of the project.
* Required supplies for procurement, urea fertilizers, seeds, herbicides, harvesting materials, knap sack sprayers among others
* Rates and quantities of different supplies to be procured
* Need for synchrony of procurement with field application or timing of application
1. To locally construct 25 hand planters in Lira using locally sourced materials
* Sourcing of the local materials for the construction of the hand planter
* Interpreting the CAD drawings
* Production of the planter parts, assembly and testing
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| What activities will be done to support the training? | * Practical demonstration on use of the hand planters with all the planter parts available
* Field visit and testing will be conducted within the course of the training
* Participatory approach in explaining divergence in maize production systems and which ones to adopt
* Demonstration of the use of fertilizer or urea drum in the field
* Hands on training on application of herbicides in control of weeds in the experimental fields
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| What is the length of the training? How often will the training be offered? | The training of trainers (ToT) – farmer advisers as well as selected farmers will be conducted for 5 days for all the listed topics. Additional 5 days will be required for facilitation/supervision of local construction of the hand planters. Continuous farmer training and monitoring will be done for 3 seasons by the farmer advisers. |
| Who is conducting the training? What are the trainer’s qualifications? | For the training of trainers, Peter Omara who is currently pursuing PhD in soil science-Agronomy will lead. Peter has Msc. in Plant and Soil science and is a native Lira. |
| Who is receiving the training? How many men? How many women? | Fifty selected farmers will benefit from the training, 20 male and 30 female participants. There will be 3 farmer advisers attending the training, 1 male and 2 female |
| What are the expected outcomes of the training? | * Farmers will acquire knowledge on row planting, plant spacing, fertilizer application
* Farmers advisers will gain know knowledge on managing experiments and collection of yield data
* Farmers will acquire knowledge on the use of the hand planters.
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| How will participants demonstrate their new skills and knowledge? | The training will include practical sessions with opportunities for all participating farmers to demonstrate knowledge and skills acquired through the training. |
| How will this training be evaluated? | A brief questionnaire will be administered to the participants at the end of the training to determine the level of knowledge and skills acquisition by participants. |
| Will there be follow-up training, communication, or observation of participants? | This training of trainers with selected farmers will be followed by farmer adviser visits within the course of the growing season. The farmer adviser will be responsible for helping farmers set up demonstration and back-up trainings within the season |
| Is this new training as a result of the grant or an ongoing training? If the latter, will this training be offered to new participants? Please provide a brief explanation. | Yes, this is a new training with new participants as a result a new grant  |