Volunteer Name: Istvan Keri
Country: Ethiopia
Country project: Horticultural Crop production
Host: Water Action
Venues: Kombolcha
Audience: farmers, engineers
Number of people trained/assisted: 78
Date/duration: 18 days

1. **Assignment Objectives as in SOW**

Train and innovate modern irrigation technologies

Equip target beneficiaries in skills and techniques on improved irrigated fruit production practices

2. Achievement of the assignment objectives

The farmers grow avocado, mango, papaya and banana in this area.
The three days training focused on irrigation management (4 mm/day water requirements and two weeks irrigation frequency)
Soil nutrient management with animal manure was introduced to the farmers.
Integrated Pest Management (physical, chemical and biological) was the focus point on the training.

3. Recommendations to the host

- Weed control in the orchard is very important because the weeds compete with trees for nutrients and water.
- Onion, garlic, hot pepper, oil and soaps are useful to make inexpensive homemade remedies for pest control purposes.
- Farmers should buy fruit tree seedlings from certified nurseries in order to prevent and control viral diseases
- Virus infected trees or seedlings should be burned on the field.
- The environment on the highland (soil and climate) will sustainable to grow Quinoa seed . Five farmers volunteered to grow Quinoa if the seed is available for them.

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4. Anticipated Impact

Water Action will install more rainwater harvesting system in the rural areas

CRS will introduce Farmer School program, providing farm training for local farmers

Water Action and CRS will install micro irrigation demonstration plot to educate the farmers about water saving technologies

Quinoa will be introduced to Ethiopia as a new food source crop

5. Recommended future volunteer Assistance

IPM for tropical fruit trees
Crop rotation, green manure and soil management
Rainwater harvesting with permaculture techniques

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Thank You!