

Capacity Building on Produce Postharvest Management in Tanzania



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Introduction

Postharvest losses of fresh horticultural crops in Tanzania range from 20% to 50%.

The main reasons for postharvest losses:

- ✓ limited postharvest facilities
- ✓ lack of technology
- ✓ access to knowledge















Overall Objective

To improve the capacity of faculty and support staff at Sokoine University of Agriculture on the postharvest management of horticultural crops and to better train undergraduate and graduate students, extension agents, farmers and other stakeholders working with fresh produce.











Support curriculum development for a M.S. program in Horticulture, and improve and develop undergraduate and graduate postharvest classes

SUA faculty trained on:

- ✓ curriculum development
- ✓ teaching methods
- pedagogy
- mentoring undergraduate and graduate students













Education outcomes

- MS developed
 - EXPECTED: accepting students for October 2019.
- Dr. Ramadhani is part of the department of Crop Science and Horticulture team for:
 - Development of the MSc. Horticulture graduate degree
- Instructor Guide
- Dr. Ramadhani was asked to consult another USAID/Hort Innovation Lab. Project in Rwanda interested in developing an MS.









Extension

Develop and deliver a short course on postharvest management of horticultural crops

✓ Training the trainers✓ Training the growers

















Training the trainers





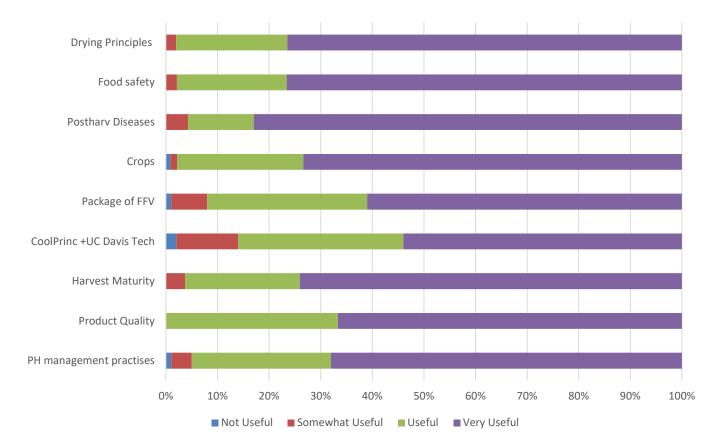








Topics that were covered





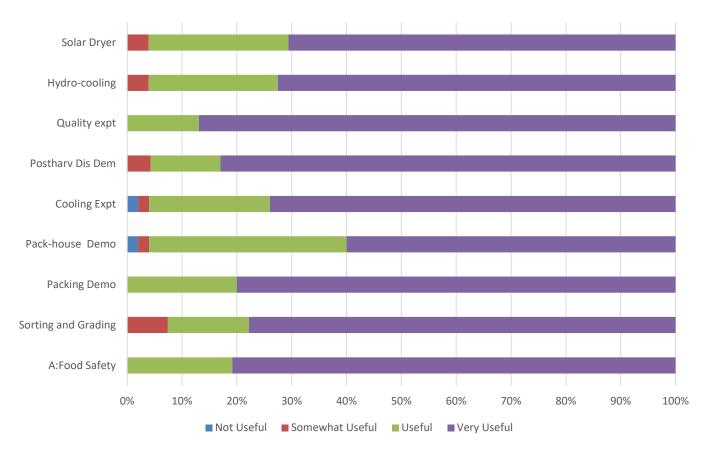








Topics that were covered











Disseminate module knowledge through training the future Tanzanian trainers

The project has trained 5 SUA staff and 55 extension staff from local governments and agriculture

60 total 35 male 25 female

- 27 government (extension workers) 13 male 14 female
- 24 private sector (processors, distributes) 18 male 6 female
- 7 (NGOs, academic personnel) 4 male 5 female













Training the growers





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Training the growers











- Expectations, opening remarks and introduction
- Why concerned on postharvest management of fruits and vegetables?
- Harvest maturity, harvest practices, sorting (diseases/damages/disorders etc.) and grading
- Temperature management (field+ storage) and cooling practices
- Techniques for prevention of mechanical damages and Packaging tech for transportation











Disseminate module training through extension and outreach

8 villages Trained a total of 305 farmers:

- 137 are female and
- 168 are male



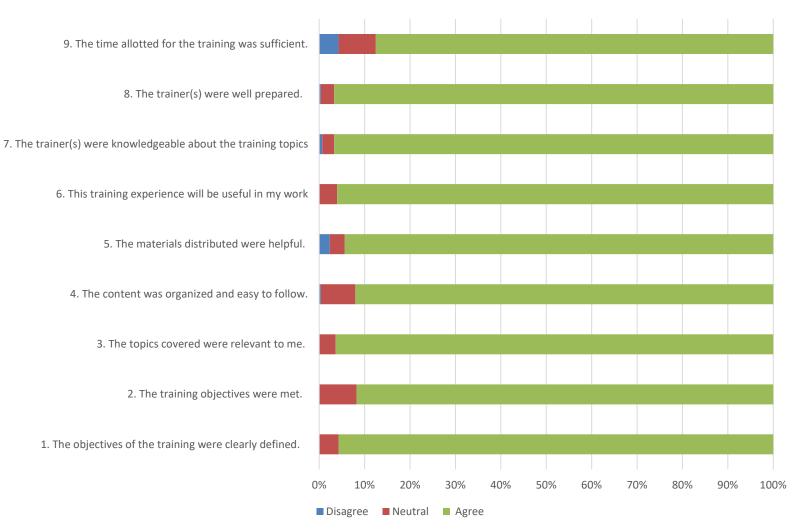




















| Statements | Strongly Disagree | Disagree | Neutral | Agree | Strongly Agree |
|--|----------------------|----------|---------|-------|-------------------|
| Overall, the short course prepared me to train others. | 0% | 0% | 0% | 20% | 80% |
| The materials distributed at the short course prepared me to train on postharvest handling. | 0% | 0% | 0% | 25% | 75% |
| The activities completed during the short course prepared me to train on postharvest handling. | | 0% | 0% | 20% | 80% |
| This experience will be useful in my work. | 0% | 0% | 0% | 20% | 80% |









Improve infrastructure at SUA to support postharvest research, teaching and extension activities.

 ✓ Equip and modify the postharvest laboratory at SUA
✓ Incorporate appropriate postharvest technologies.
✓ Field research for technology optimization/transfer.



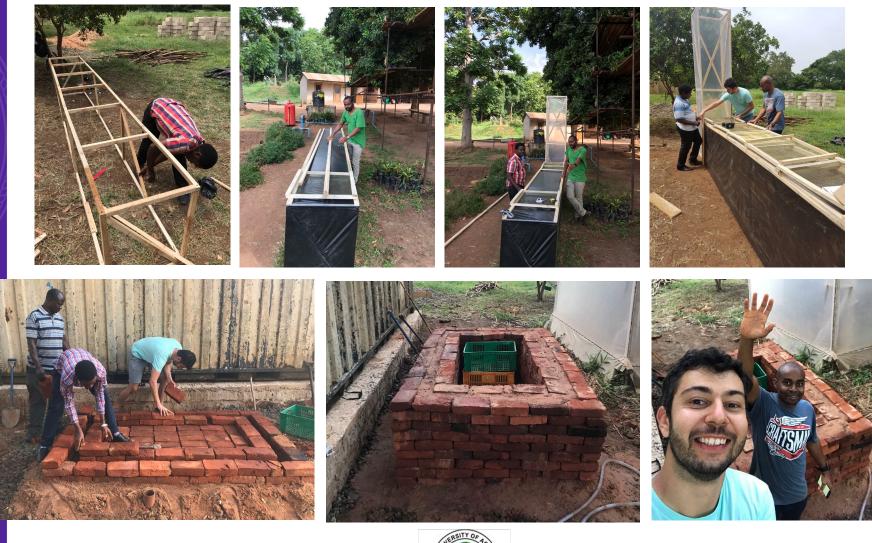












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Thank you for your attention

Questions?? **UF UNIVERSITY** *of* **FLORIDA**



