



MINIMIZING WASTE THROUGH VALUE ADDITION AND PRESERVATION OF FRESH PRODUCE IN NIGERIA AND KENYA

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Introduction



- * Minimizing post-harvest losses is crucial in ensuring food and nutrition security
- * Mango (Kenya) and Tomato (Nigeria) have been identified as having high potential respectively
- * The industry ,experiences losses due to lack infrastructure, poor access to markets and inability to value add through processing of storage; mango (20-25%) and tomato (26.3%)



Project Objectives



- **Objective:** To establish pilot innovation platforms to create collaborative solutions to reduce postharvest losses of mangoes and tomatoes in Kenya and Nigeria respectively
- **Expected outcome**
 - Consensus on the creation of Ips for Mango and tomato
 - Establishment of low cost technologies to facilitate products to market and to process raw materials into value added products
 - Improvement of competitiveness of the mango & tomato value chain in order to alleviate contribute to food and nutrition



Methodology



- * Activities involved in preparation of the establishment of a mango & tomato value chains innovation platforms:
 - * holding meetings to map out the initial strategy for initiating the innovation platform
 - * engagement of stakeholders through workshops/focus group discussion
 - * administration of questionnaires
 - * farm visits



Stakeholder workshops





Data collection through focus group discussions and Questionnaires





Farm visits





RESULTS



- Constraints and opportunities and possible solutions were identified and a way forward discussed and agreed upon

CONSTRAINTS

- post harvest losses
- no organized marketing channels
- Lack of storage facilities
- Pest damage
- Drought (no water source for irrigation)



Poor transport and storage





Harvested tomato crop & mango plantation





Damped tomato fruit & infested fields





Results



Opportunities

- * Existence of technical assistance from research,
- * Regulation & extension services supporting farmers
- * Input suppliers are available



Pest management



- * Mass trapping (pheromone traps) of fruit fly infesting mango





Results



Proposed solutions

- * Construction of storage facilities
- * Marketing and price control through formation of farmer cooperatives/groups
- * Harvesting & storage of Water for irrigation
- * Value addition



Way forward



- * Stakeholders unanimously agreed to the establishment of a mango and Tomato value chains innovation platforms
- * Players in the value chains are available and according to the stakeholders, would be committed to be part of the innovation platform.



THANK YOU

