



Scaling Traditional African Vegetable varieties and good agricultural practices in Africa: A case of Dar es Salaam, Coast, Morogoro and Tanga regions

RESEARCH IMPLEMENTATION

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Background information

- African Traditional Vegetables (TAVs) are grown widely in rural and urban areas in the coastal belt of Tanzania
- They are grown for their leaf, fruit or grains and ornamental use
- They contribute to food and nutrition securities, livelihood improvement and for medicinal use
- However, there is scarcity of improved varieties of African Traditional vegetables





Background

- Good agricultural practices (GAPs) are not effectively applied by farmers,
- There is narrow choices of vegetable varieties by traders and consumers
- There is an increasing interest in high-yielding varieties with excellent field performance, taste, and shelf life to meet market requirements
 - Vegetable production shifts from household gardening to commercial scale

Methodology

- **Scaling locations**

- Dar es Salaam region: Ilala, Kigamboni districts
- Coast region: Mkuranga and Bagamoyo districts
- Tanga region: Bumbuli and Korogwe districts
- Morogoro region: Mvomero district and Morogoro
- Municipality

- **Improved varieties in the scaling**

- Amaranth: Nguruma, Poli and Akeri
- African nightshade: Ambureni and Malala
- African eggplants: DB3 and Tengeru white



Methodology: Implementation of GAPs

➤ Nursery establishment and management



Methodology: Dissemination of GAPs on vegetable production

- Establishment and management of demonstration plots in collaboration with extension staffs and farmers



Achievements

- Ten Demonstration plots established and managed
 - Eight demo plots in scaling sites and two at Nane nane Agricultural exhibition grounds – Eastern zone, Morogoro



Achievements cont...

- Training farmers on GAPs
 - More than 200 farmers trained on vegetable GAPS



Achievements

- Number of people trained on GAPs

| Region | Number of participants | |
|---------------|------------------------|------------|
| | Males | Females |
| Dar es Salaam | 35 | 36 |
| Coast | 45 | 22 |
| Tanga | 36 | 50 |
| Morogoro | 36 | 19 |
| TOTAL | 152 | 127 |

Achievements cont...

- Distribution of improved vegetable seed kits



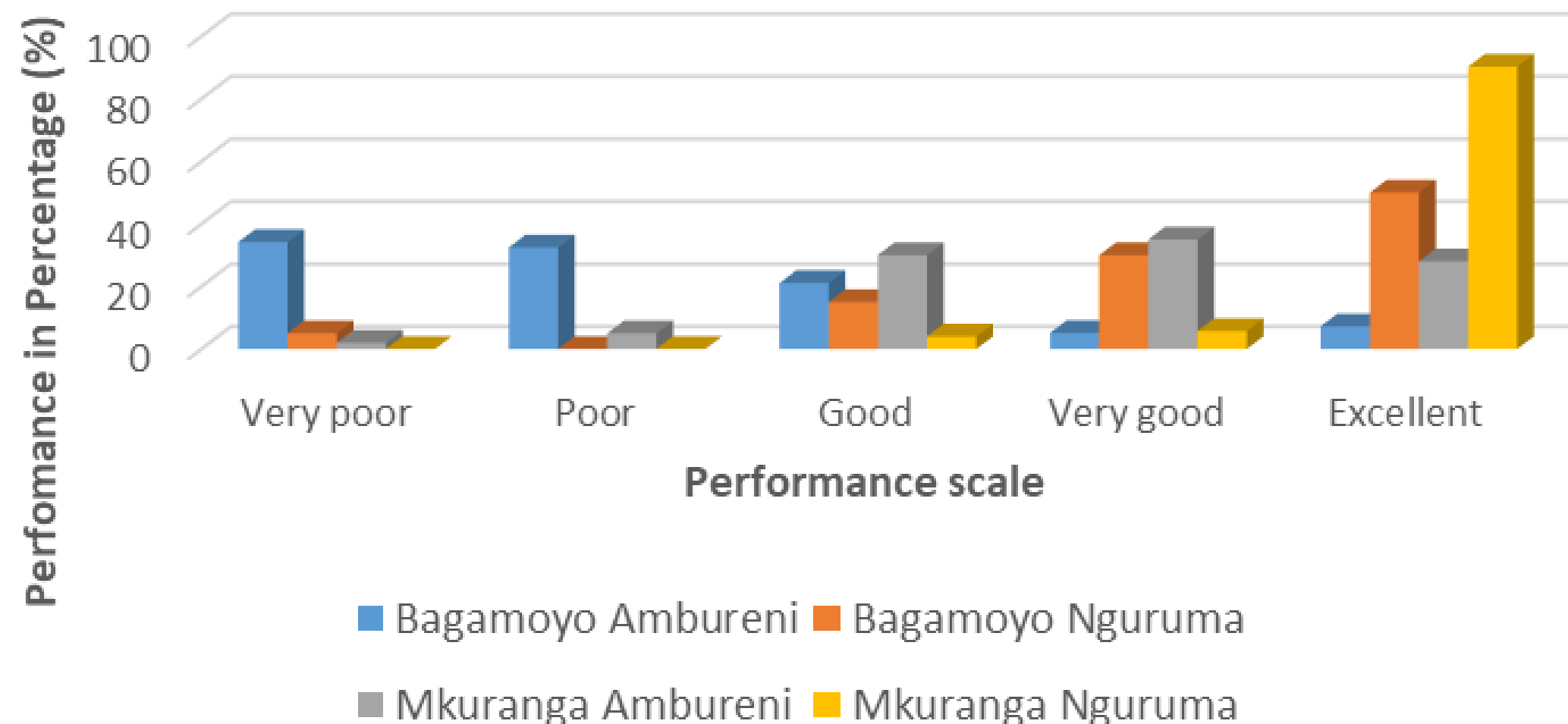
| Region | Farmers who received improved vegetable seed kits | |
|---------------|---|------------|
| | Males | Females |
| Dar es Salaam | 103 | 156 |
| Coast | 121 | 159 |
| Tanga | 124 | 151 |
| Morogoro | 215 | 98 |
| TOTAL | 563 | 564 |

Achievements: cont...

- Farmers' evaluation
- where 0 = very poor and 5 = Excellent



Farmers' evaluations on field performance of Ambureni and Nguruma varieties in two scaling sites



Achievements cont....

- Farmers' Field Days conducted



Processed
vegetables



Achievements

- Number of people participated on Farmers’ Field Days and *Nane nane* farmers exhibitions

| Region | Participants of Farmers’ Field Days, by Gender | | Visitors at <i>Nanenane</i> vegetable demoplots | |
|---------------|--|------------|---|-------------|
| | Males | Females | Males | Females |
| Dar es Salaam | 70 | 45 | - | - |
| Coast | 111 | 117 | - | - |
| Tanga | 81 | 101 | - | - |
| Morogoro | 86 | 73 | 3780 | 3161 |
| TOTAL | 348 | 336 | 3780 | 3161 |

Publications

- Farmers' field days organized in all sites were aired on Channel Ten TV station News Program.
- Three articles were published in News papers (Uhuru and Nipashe)





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