**TANZANIA AGRICULTURAL RESEARCH INSTITUTE**

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**PROGRESS REPORT FOR THE SECOND QUARTER FINANCIAL YEAR 2024/2025**

**TECHNOLOGY TRANSFER AND PARTNERSHIP DEPARTMENT**

**TARI MIKOCHENI**

**PREPARED BY:**

**VIDAH Y. MAHAVA**

**1ST OCTOBER - 31ST DECEMBER, 2024**

**TECHNOLOGY TRANSFER AND PARTNERSHIP DEPARTMENT**

**SUMMARY OF PROGRESS REPORT OF IMPLEMENTED ACTIVITIES IN THE SECOND QUARTER OF THE FINANCIAL YEAR 2024/2025 STARTING FROM**

**1st  OCTOBER TO 31st DECEMBER, 2024**

**Date: 31st December 2024**

**Ajenda Number:** 4

**Objective: Presentation of the progress report on implementation of Technology Transfer and Partnership Department for the 2nd quarter of financial year 2024/2025**

1. **Introduction**

Technology Transfer and Partnership (TTP) is one of the two department at TARI-Mikocheni centre, deals with promotion and dissemination of generated technologies in collaboration with the department of research and innovations. It is also responsible for forging partnership with partners in conducting joint research and dissemination of agricultural based technologies.

The department works with different stakeholders including smallholder farmers, processors, universities and media houses in packaging, promoting and disseminating technologies to end users. It uses different pathways in transferring technologies including demonstration plots and the use of hubs (AgriTecH)

The department is composed of two sections: Communication Knowledge Management and Technology Transfer and Partnerships

1. **Planed activities for 2nd quarter as per approved work plan 2024/2025**

During this quarter, the department planned to conduct a number of activities as summarized hereunder: -

1.To facilitate participation at Agricultural Exhibitions Nane Nane,Saba Saba, World Food Day, MAKISATU and other technology transfer activities by June, 2025.

2.TARI Mikocheni Officers in visiting AgriTech hubs (Dodoma and Morogoro) by June 2025.

3.To Monitor and maintain 3 established demonstration plots at Tanga, Lindi and Mtwara by June 2025.

4.To Conduct one Farmer Field Day by June 2025.

4.To prepare 3 TV programs, 1 Radio Programs, 3 Newspaper articles and 1 social media story by June 2025.

1. **Implementation and Achievements**

**3.1** **Visiting and preparation of demonstration plots in AgriTecH hubs** (J. K. Nyerere- Morogoro and Nzuguni-Dodoma). In this quarter, a total of six technologies were disseminated to farmers through our 4 Agritech hubs (table 1).

**Table 1: Technologies disseminated by TARI through Agri.-TecH(s)**

|  |  |  |
| --- | --- | --- |
| **AgriTecH** | **Crop** | **Variety/technology disseminated** |
| Fatma-Mwasa, Tabora | 1. Coconuts and Sweet potatoes | Intercropping Coconuts (East African Tall) with Sweet potato (KABODE) |
| **Total No. technologies disseminated** | **1** |
| Nzuguni, Dodoma | 1.Coconuts and Cowpea | Intercropping Coconuts (East African Tall) with cowpea (VULI AR 1 and RAHA 2 ) |
| **Total No. technologies disseminated** | **1** |
| Mwl. Julius Nyerere, Morogoro | 1.Banana Tissue culture | Banana (Mzuzu, Kimalindi, Bukoba and Fia 23) |
| 2.Coconuts, Mangoes and Oranges | Intercropping Coconuts (East African Tall) with fruit tree crops |
| **Total No. technologies disseminate** | **2** |
| Nyakabindi, Shinyanga | 1.Coconuts and Maize | Intercropping Coconuts (East African Tall) with Maize (Selian 115 H) |
| **Total No. technologies disseminated** | **1** |
| **TOTAL** | **Total No. technologies disseminated** | **6** |

**3.2 Stakeholders reached with improved technologies at Mikocheni Sub-stations.**

During this quarter, total number of **171 Farmers (144 Males and 27Females**) were reached with improved technologies at Mikocheni sub-stations, in which **78 (60 Males and 18 Females)** visited and contacted via phone in Chambezi sub-station and **93 Farmers (84 Males and 9 Females)** visited and contacted via phone in Mkuranga sub-station requested on buying coconut seedlings, asking different questions concerning management and pest control in Coconuts, Mangoes and Oranges.

**Table 2: Number of stakeholders reached with technologies at Chambezi and Mkuranga Sub-stations.**

|  |  |  |
| --- | --- | --- |
| **Place** | **Stakeholders** | **Technologies disseminated** |
| Chambezi | **78 Farmers (60 Males and 18 Females)** | 1. Coconuts intercropped with mangoes and orange to control pests through weaver ants which feed on Coreid bugs.  2. Mechanical remover of beetles using hook.  3. Cultural control by cleaning field removing dead logs which are breeding site for Rhinoceros beetles.  4. Using of Traps (Pheromones, PVC Pipe and Tin) to trap beetles. |
| Mkuranga | **93 Farmers (84 Males and 9 Females)** | 1. Coconuts intercropped with mangoes and orange to control pests through weaver ants which feed on Coreid bugs.  2. Mechanical remover of beetles using hook.  3. Cultural control by cleaning field removing dead logs which are breeding site for Rhinoceros beetles.  4. Using of Traps (Pheromones, PVC Pipe and Tin) to trap beetles. |
| **Total number of technologies disseminated** | | **4** |

**3. Knowledge Management and Communication**

**3.1 TARI Website Content management**

Different information was uploaded to TARI website as shown by the table 3 below:

**Table 3:** Type and numbers of information uploaded to TARI website

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Centre** | **Type of information uploaded** | **Number/frequency** | **Remarks/any feedback** | **Challenges** |
| TARI – Mikocheni | News | 0 | - | Lack of facilities including Internet, Camera for taking photos and documentaries, and Mobile phone for easy sharing of information especially in social media |
| Publications | 1 |
| Images/photos | 5 |
| Videos | 2 |
|  |  |

**3.2 Information Education and Communication materials**

Planned number of materials for dissemination in this reporting time were 300 leaflets on Good Agronomic Practices for coconut farming, Coconut pests, their effects and control measures, About TARI Mikocheni centre and Benefits of Virgin Coconut Oil (VCO) where only 156 leaflets managed to be disseminated.

**Table 4: Information materials produced and distributed**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Number of print communication materials | | | | | | | |
| Posters | Signboards | Fliers | Brochures | Banners | Wheel covers | Leaflets | Others specify |
| - | - | - | - | - | - | 156 | - |
|  |  |  |  |  |  |  |  |

1. **TARI Visibility**

**4.1 Signboards: -NIL-**

Preparation of signboards: No any area fixed with uniform format and designed signboard.

**4.2 Mass media prepared by TARI Mikocheni in 2nd Quarter.**

In this reporting period, Mass Media planned to air 1 TV while aired 0 TV. Also planned Radio were 1 while aired 0 radio, also Planned 1 newspapers actual released were 0 also planned social media were 9 while aired social media were 1 as shown on the table 5 below:

**Table 5: Number of TVs, radio, newspapers, and social media produced and disseminated.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Numbers prepared/hired/made/received** | | | | | | |
| **TV** | **Radio** | **Newspapers** | **Social media** | **Short Messages** | **Phone calls** | **Others specify** |
| 0 | 0 | 0 | 1 | 75 | 80 | - |

**5.0 Strengthening Partnerships and Collaboration**

**5.1 Meetings/ conferences/ symposia/ workshops**

In November, The Centre Coordinator of Technology Transfer and Partnership Department (TTP), Ms. Vidah Mahava attended a training Workshop on 29th  and 30th November 2024 at Flomi Hotel in Morogoro. Aim of the training was to build capacity to paddy farmers on how to produce high quality seeds which in turn will increase production and rise the economy of the country.

In this December, 2females Researchers from Technology Transfer and Partnership Department and 2 females Researchers from Agronomy Unit attended training workshop on 4th December 2024 at PSSSF Commercial Complex Hall in Dar es Salaam. Aim of the workshop was to create awareness by strengthen availability of new improved Tomatoes, Chill, habanero and sweet and peppers varieties to vegetable growers in Dar es Salaam. Total of 12 Researchers from which 9 (3Males and 6 Females) from Biotechnology Unit ,2 females from Pest Control Unit and 1 female from Postharvest Unit attended 9th Science, Technology and Innovation Conference and Exhibition (STICE) from 2nd to 4th December 2024 at Julius Nyerere International Convention Centre (JNICC) in Dar es Salaam. Aim of the Conference was to exhibit Technology and Innovation for Climate Resilience and Competitive Economy in the Country.

Table 6**:** Meetings/ conferences/ symposia/ workshops attended by TARI Staffs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Tittle/themes** | **Dates** | **Venue** | **Partners** | **Type of event (workshop/Meeting** |
| **1.** | Capacity building to paddy farmers on producing high quality paddy seeds | 29th to 30th November 2024 | Flomi Hotel | Tanzania Agricultural Research Institute(TARI),Tanzania Official Seed Certification Institute(TOSCI) and Rice Council of Tanzania) | Training Workshop |
| **2.** | Awareness Creation on new improved Tomatoes, Chill, habanero and sweet and peppers varieties | 4th  December 2024 | PSSSF Commercial Complex Hall | World Vegetable Centre(WVC),TARI Tengeru, TARI Mikocheni, Local Government Leaders(LGAs) ,Traders, Processors and Seed Companies | Workshop |
| **3.** | Harnessing Science. Technology and Innovation for Climate Resilience and Competitive Economy | 2nd to 4th December 2024 | Julius Nyerere International Convention Centre(JNICC) | Commission for Science and Technology(COSTECH), Ministry of Education, Science and Technology(MOE), Tanzania Agricultural Institute(TARI), Tanzania Plant Health and Pesticides Authority(TPHPA),  Sokoine University of Agriculture (SUA), Muhimbili University of Health and Allied Sciences(MUHAS),Dar es Salaam Institute of Technology(DIT),University of Dar es Salaam(UDSM). | Conference |

**5.2 Visitations**

Total number of **24 visitors (18 Males and 6 Females)** stakeholders visited the Centre for different purposes from October to December 2024 as shown on Table 7 below.

**Table 7: Visitors visited the Centre.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/No** | **Date of the visit** | **Type of visitors** | **Total number** | **Aim of the visit** |
|  | 8th October 2024 | An individual farmer from DSM | 1Male | He was interested in palm oil production –directed to TARI Kihinga |
|  | 9th October 2024 | Farmer from DSM | 1 Male | He wanted to buy coconut seedlings |
|  | 11th October 2024 | A farmer from DSM | 1Female | She wanted education on vegetable magement practices. |
|  | 15th October 2024 | A Researcher from REPOA | 1 Male | He wanted information on adoption rate concerning Paddy and Sorghum |
| A farmer from Tandahimba - Mtwara | 1 Male | He wanted to buy coconut seedlings |
| A farmer from Geita | 1 Female | She wanted to buy coconut seedlings |
| Farmers from Kisarawe – Coast | 2 Males | They wanted to buy coconut seedlings |
|  | 16th October 2024 | A farmer from DSM | 1 Female | She wanted to buy coconut seedlings |
|  | 22nd October 2024 | A Farmer from Mbezi Louis – DSM | 1 Male | He wanted to get coconut production education |
| A Farmer from Lugalo – DSM | 1 Male | He wanted to buy coconut seedlings |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 28th October 2024 | Representatives from GATSBY Organisation | 1 Female and 1 Male | They wanted to discuss on partnership with TARI Mikocheni, through conducting research and to support on issues pertaining coconut production. |
|  | 15th November 2024 | Farmers from Mbezi Louis – DSM | 2 Males | They wanted coconut seedlings |
|  | 18th November 2024 | Farmer from DSM | 1 Male | He wanted to buy coconut seedlings |
|  | 21st November 2024 | A farmer from Kigamboni – DSM | 1Female | She wanted education on how to produce virgin coconut oil. |
|  | 25th November 2024 | A farmer from DSM | 1 Male | He wanted to buy coconut seedlings |
|  | 3rd December 2024 | A farmer from Kinondoni-DSM | 1 Male | He wanted coconut seedlings |
|  | 6th December 2024 | A farmer from Magomeni- DSM | 1 Male | He wanted coconut seedlings |
|  | 10th December 2024 | A farmer from Kinondoni -DSM | 1 Male | He wanted to be educated on Pest control in coconuts |
|  | 12nd December 2024 | A farmer from Mbezi-DSM | 1 Male | He wanted to be educated on how to process Virgin Coconut Oil(VCO) |
| A farmer from Magomeni -DSM | 1 Male | He wanted education on Irish potatoes production, directed to TARI Uyole |
|  | 16th December 2024 | A farmer from Ubungo-DSM | 1 Female | She wanted coconut seedlings |

**6. Challenges**

* Late disbursement of funds complicate implementation of the planned activities, hence implementations go beyond approved financial year.
* Limited number of facilities and equipment to accomplish planned tasks.

**7. Recommendations**

* Timely allocation of funds to implement planned activities.
* Adequate number of facilities and Equipment to accomplish planned tasks.

**8.Request to the management**

The department is kindly asking the management to accept the quarter report presented here

Vidah Mahava

**Head Technology Transfer and Partnership Department–TARI-Mikocheni**