

Training Courses on Rice Farming Technologies



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Agricultural Training, Extension Services and Research Division,
Ministry of Agriculture

Ministry of Agriculture, Natural Resources, Livestock and Fisheries
of Zanzibar



“Look at the good houses around our irrigation scheme. See how rice plants are transplanted in line and how the plants look like! What you see are impacts of the rice training program.”

“Before the training, food situation at home was not good, as we only harvested rice just enough for our own use. Now the situation is good. Household members are happy and thankful for the training provided.”



“My husband and children have changed their views on rice production after they saw the impact of training on our farm. With increased income from rice, I started new business of selling farm inputs.”





Overview

- ❖ Six training institutes under Agricultural Training, Extension Services and Research Division of Ministry of Agriculture (MoA) and one under Ministry of Agriculture, Natural Resources, Livestock and Fisheries (MANRLF) of Zanzibar conduct training courses for rice producing farmers.
- ❖ In addition to rice cultivation technologies, trainings on other important topics, such as irrigation scheme management (ISM), gender, marketing, and agricultural machinery, have been carried out resulting to improved standards of living for rice farmers.
- ❖ Over 15,000 farmers have adopted improved rice farming technologies through training between 2013 and 2017 and managed to increase the yield by about 40%.

Rice Cultivation Training

We offer three training courses for rice cultivation depending on rice cultivating environments: irrigated; rainfed lowland; and rainfed upland.

❖ Features

Packaged techniques for rice cultivation

We choose low cost, simple, but important technologies, and we package them as one training course. Such technologies include bund making, plot levelling and transplanting young seedlings in straight rows in case of irrigated rice cultivation training.

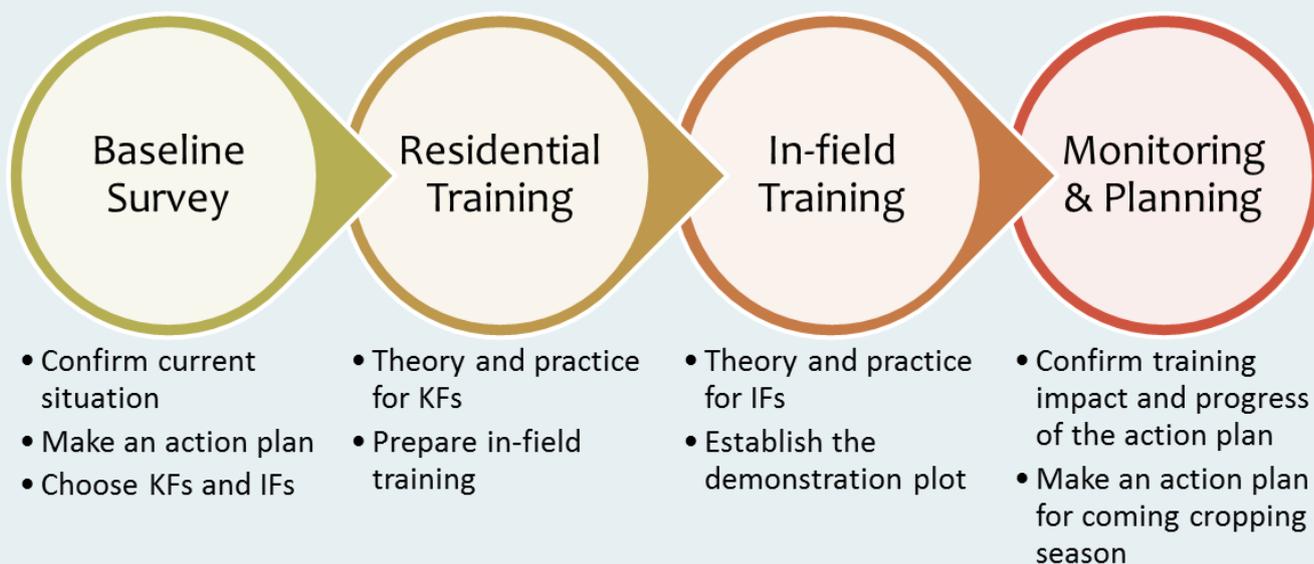
Farmer to Farmer Extension

After Key Farmers (KFs) and Intermediate Farmers (IFs) are chosen among farmers, we teach them how to disseminate technologies. We reinforce the approach by enhancing capacities of Village Agricultural Extension Officers (VAEOs) to support KFs.

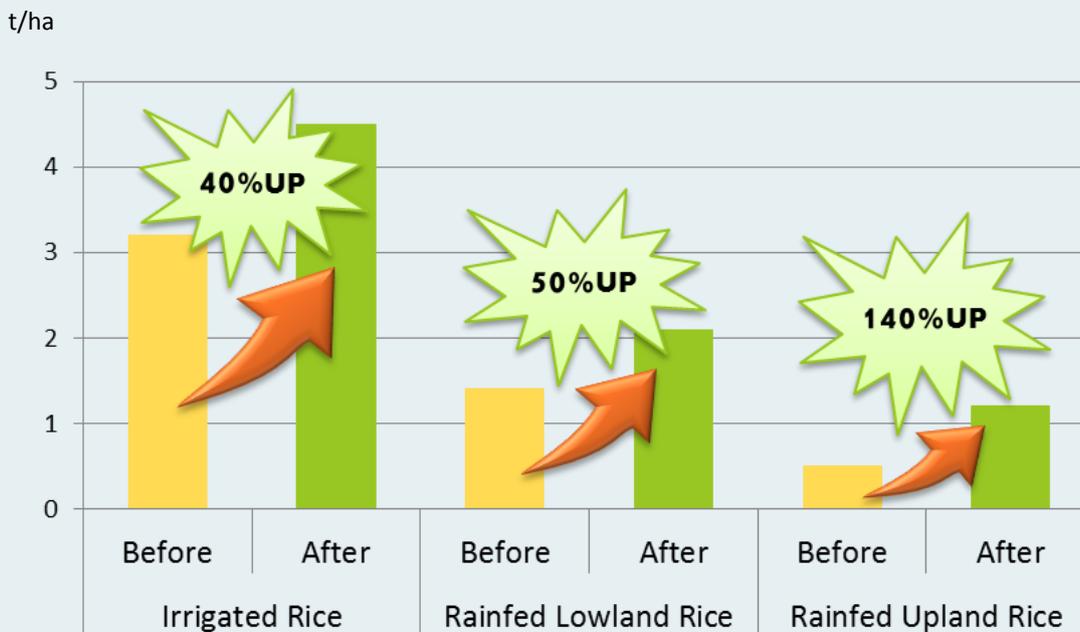
Gender Mainstreaming

We encourage participation of female farmers, by for example, allowing mothers with babies to come to training. Female participants occupy more than 45% of total participants in most of our training courses.

❖ Process of training through one cropping season



❖ Achievements: Yield Increase



❖ Three training courses on rice cultivation



Irrigated Rice Cultivation

- Core topics: Land preparation, seed selection, transplanting, fertilizer application, yield component, post harvest, marketing and gender
- Duration: 16 days in total for one cropping season
- Cost: Approximately 15,000,000 Tsh for 48 farmers and district officers



Rainfed Lowland Rice Cultivation

- Core topics: Land preparation, straight row planting, weed control, soil management, introduction of new varieties, yield component, post harvest, marketing and gender
- Duration: 9 days in total for one cropping season
- Cost: Approximately 15,000,000 Tsh for 80 farmers and district officers



Rainfed Upland Rice Cultivation

- Core topics: Introduction of NERICA, establishment of demo-plot, straight row planting, soil management, seed production, farmer to farmer seed distribution
- Duration: 2 days
- Cost: Approximately 5,000,000 Tsh for 16 farmers and district officers

Subject Matter Training

❖ Overview

In addition to training on rice cultivation, we also offer training courses on (1) irrigation scheme management (ISM), (2) gender, (3) marketing, and (4) agricultural machinery. So far, we have conducted 129 training; 48 for Irrigation scheme management, 29 for gender, 23 for rice marketing, 25 for agricultural machinery.

✂ Basically we offer subject matter training after rice cultivation training as needed basis.

❖ Aims

Through the subject matter training, we intend to improve livelihood of rice farmers and to assure the sustainability of the schemes, so that they can continue performing well in rice production.

Voices of Participants



There is increase in participation in scheme management activities. For example, they organized themselves to repair infrastructures after damaged by floods in 2017/18 season.

- Manager, Mahande irrigation scheme, Monduli, Arusha

I have gained access to good buyers who offer me better prices and, consequently, higher income.

- Farmer, Lekitatu irrigation scheme, Meru, Arusha



Training on irrigation scheme management has brought changes as there are fewer conflicts among farmers as a result of good leadership and scheme by-laws.

-Farmer, Mombo Irrigation Scheme, Korogwe, Tanga

Family budgeting was an eye-opener. Now I am transparent to my wife on the income and plan family budget together. We bought a TV as a result of good management of money.

-Farmer, Gonja Maya irrigation scheme, Same, Kilimanjaro





Irrigation Scheme Management

- Core topics: Scheme organization, financial management and Operation and Maintenance (O&M) of irrigation facilities
- Duration: 4days
- Cost: Approximately 3,000,000 Tsh for 40 farmers and 2 district officers



Gender

- Core topics: Gender sensitization, family budgeting, gender and HIV in rice farming, nutrition and sanitation, monitoring and evaluation
- Duration: 1 day for Needs Finding Survey + 4 days for Core Topics
- Cost: Approximately 3,000,000 Tsh for 50 farmers and 2 district officers



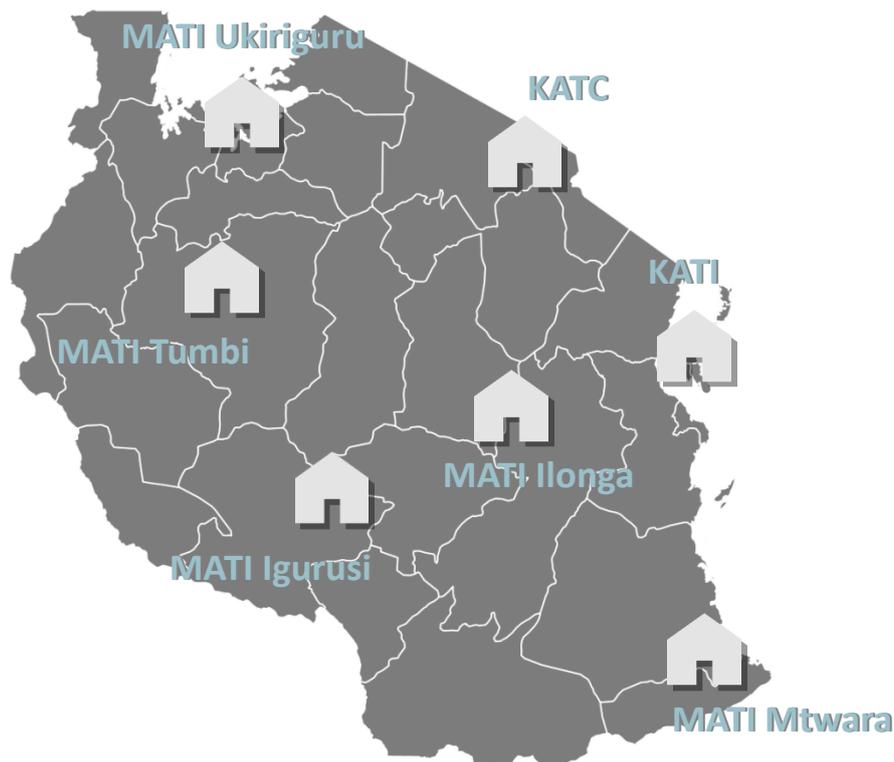
Marketing

- Core topics: Market information accessing and sharing, quality assurance, and formulation of sales agreement through stakeholders' meeting
- Duration: 3 days
- Cost: Approximately 2,000,000 Tsh for 20 farmers (3 days), 10 rice buyers (1 day), and others.



Agricultural Machinery

- Core topics: Plot expansion, rotary weeder, operation of combine harvester and rice mill
- Duration: Depends on technologies
- Cost: Depends on place and technologies taught



**We offer effective training courses with experienced tutors.
Would you like to be our sponsor?**

Contacts

<Agricultural Training, Extension Services and Research Division>

Kilimo IV, P.O. BOX 2182, Dodoma. Email: dt@kilimo.go.tz

<KATC-Moshi>

Covering Arusha, Dodoma, Kilimanjaro, Manyara, Singida and Tanga regions

P.O. BOX 1241, Moshi Tel. 0767 882759/0620-882759

Email: mati-katc@kilimo.go.tz, nicostanga@yahoo.com.

<MATI-Ilonga>

Covering Dar es Salaam, Morogoro and Pwani regions

P.O. BOX 66, Kilosa Tel. 0754 649148/0783 369261

Email: mati-ilonga@kilimo.go.tz, mesha78m@yahoo.com

<MATI-Ukiriguru>

Covering Geita, Kagera Mara, Mwanza, Shinyanga and Simiyu regions

P.O. BOX 1434, Mwanza Tel. 0754 430983

Email: mati-ukiriguru@kilimo.go.tz, framwinyi@yahoo.com

<MATI-Igurusi>

Covering Iringa, Katavi, Mbeya, Njombe and Rukwa regions

P.O. BOX 336, Mbeya Tel. 0754 917653

Email: mati-igurusi@kilimo.go.tz, lwesha2007@yahoo.com

<MATI-Mtwara>

Covering Lindi, Mtwara and Ruvuma regions

P.O. BOX 121, Mtwara Tel. 0784 990752

E-mail: mati-mtwara@kilimo.go.tz, eliasma2002@yahoo.com

<MATI-Tumbi>

Covering Kigoma and Tabora regions

P.O. BOX 306, Tabora Tel. 0783 372900

E-mail: mati-tumbi@kilimo.go.tz, kaseles1959@gmail.com

<KATI-Zanzibar>

Covering Zanzibar and Pemba

P.O. BOX 601, Zanzibar Tel. 0777 427047

E-mail: info@kati.ac.tz, bakari.asseid@redcolobus.org



Training courses are conducted by training institutes implementing the Project for Supporting Rice Industry Development in Tanzania (TANRICE2) which is a technical cooperation of MoA and JICA (Japan International Cooperation Agency).

