



KVK EAST KHASI HILLS NEWSLETTER

5TH MILE, UPPER SHILLONG, MEGHALAYA-793009



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CONTENTS

On Farm Trials
Front Line Demonstrations
Training Programmes Conducted
Extension Activities
World Food Day celebration
Important events

The Krishi Vigyan Kendra East Khasi Hills is an Innovative Science Based Institution established mainly to impart vocational training to the farmers, rural youths and extension personnel. The activities of the KVK include assessment, refinement and demonstration of proven technologies aiming to bridge the gap between the technology developed at the research institutions and its adoption at the field level by the farmers. In the past three years the KVK has been instrumental to transfer latest technologies in Agriculture, Horticulture, Animal Husbandry, Fishery etc to usher the needs of the farming community of the district. The centre has been successfully conducting the mandatory activities of which, the programmes are presented in this issue.

ACTIVITIES OF KVK

The centre has been carrying out the mandated activities extensively to achieve the objectives laid down by the Indian Council of Agricultural Research. It is also striving forward to help the farmers of the district get exposed to the recent positive changes that are taking place in the field of agriculture and allied sciences. The activities carried out are on farm trials, frontline demonstrations, trainings and other extension activities which help to bring a holistic change to the farming community in the district.

ON FARM TRIALS

On Farm Trials on twelve new technologies were conducted under different disciplines in various operational villages of the District in order to identify the location specific performance of these technologies. A number of trials under each of these technologies were conducted by the Centre. In rice crop, on farm trials were conducted on “System of Rice Intensification” and “Resource Conservation Technology” in Mawryngkneng, Sadew, Lyngkien and Myllem, the results of which showed marked improvement over the farmers practice.

Trials on Introduction and popularization of improved varieties were conducted on onion, maize, lentil and broccoli in four operational villages (Sadew, Lyngkien, Dangar and Lumwahkrem). Trials were also conducted on the use of bio control agents viz *T. brassicae* and *T. brassiliensis*

for controlling cabbage butterfly and fruit borer in cauliflower and tomato crops respectively in Mawryngkneng, Mawiong and Diengpasoh. Three trials on the Use of Bio-organic formulations for controlling soft rot disease in ginger were carried out in Diengpasoh village. The use of bio-organic formulation in increasing the yield were tried on Pea crop in Mawkriah, Mawklot and Diengpasoh. Seed Production in Cauliflower under polyhouse was initiated in Sadew Village. The centre also took up Technology refinement in onion.



Transplanting SRI paddy at Mawryngkneng village



Use of Cono-weeder in SRI field at Myllem Lyngkien

ON FARM TRIALS AT A GLANCE



Use of Ambrosia under RCT at Myllem Mawiong



Standing crop under RCT, Myllem Mawiong



Standing crop under SRI, Myllem Lyngkien village



Transplanting paddy under RCT at Myllem Mawiong



OFT on Introduction of HQPM-1 at Dangar



Popularization of improve variety of Onion Pusa Red at Sadew





Introduction and popularisation of Lentil crop (var. Moitree) at Dangar village



OFT on Use of Bio control agent(*Trichogramma brassicae*) for controlling Cabbage butterfly



Introduction and popularisation of Exotic vegetables(Broccoli) at Lumwahkrem and Sadew villages



OFT on Use of Bio-organic formulations (GF-2) to control soft rot of ginger at Diengpasoh



OFT on Use of Bio control agent(*Trichogramma brassiliensis*) for controlling Tomato fruit borer

FRONT LINE DEMONSTRATIONS:

Front line demonstrations were conducted in selected operational villages on Maize, Pea, Rice, Tomato and cabbage under various disciplines. In Rabi Maize and Pea, nine trials on cultivation with recommended package of practices were conducted in villages viz. Mawsiatkhnem, Diengpasoh, Mawkriah, Sadew and Laitjem. Nineteen Demonstrations were also conducted on the use of bio-control agents and pheromone trap for controlling leaf folders and fruit borers in rice and tomato respectively in Mawryngneng , Diengpasoh, Myllem and Sadew. Demonstration on Nursery raising management in pro-trays of Cabbage was conducted in Lyngkien village.



OFT on Cauliflower seed production at Sadew village



FLD on Use of Pheromone traps for controlling Tomato fruit borer



FLD on Use of Tricho cards for controlling leaf folder & Stem borer in Paddy



FLD on Rabi Maize (var. Vijay Composite)



FLD on Pea pulse



FLD on Maize intercropping with legumes



FLD on Nursery raising in Pro-trays

TRAININGS CONDUCTED:

Thirty two numbers of trainings were conducted during the period. The table below shows the different topics covered in the OFF and ON campus trainings.

Sl. No.	Topic	On Campus / Off Campus	No. of Farmers		
			Male	Female	Total
1	Scientific Package and Practices of Tomato.	Off Campus	8	7	15
2	Weed management in Rice.	Off Campus	10	5	15
3	Integrated Weed management.	Off Campus	-	17	17
4	Package of practices of tomato.	Off Campus	-	17	17
5	IPM & IDM of tomato.	Off Campus	-	17	17
6	Management of SHGs.	Off Campus	-	17	17
7	IPM & IDM of vegetables	Off Campus	6	20	26
8	IPM & IDM of vegetables	On Campus	9	6	15

Sl. No.	Topic	On Campus / Off Campus	No. of Farmers		
			Male	Female	Total
9	Package of practices of potato and cabbage.	Off Campus	6	20	26
10	Package of practices of rabi maize.	On Campus	2	14	16
11	IPM & IDM of Potato.	Off Campus	3	13	16
12	Nutrient management of potato.	Off Campus	6	12	18
13	Post harvest management of potato.	Off Campus	3	21	24
14	IPM & IDM of rice	Off Campus	6	4	10
15	Soil fertility management.	Off Campus	13	3	16
16	SRI	Off Campus	13	3	16
17	Package of practices of Rabi maize	Off Campus	13	3	16
18	IPM & IDM of Rice.	Off Campus	13	3	16
19	IPM & IDM of vegetables.	Off Campus	12	7	19
20	Package of practices of Potato.	Off Campus	12	7	19
21	Soil fertility management.	Off Campus	4	17	21
22	Seed ProductiOn Campus	On Campus	-	16	16
23	Package of practices of Gerbera	On Campus	2	15	17
24	Resource Conservation Technology	On Campus	2	14	16
25	Bio-control of Pest & Disease	On Campus	1	14	15
26	Bio-control agents & bio-pesticides	On Campus	3	13	16
27	Protective Cultivation	On Campus	5	12	17
28	Integrated Crop Management	On Campus	7	8	15
29	Production of biocontrol agents/ bio pesticides	On Campus	2	13	15
30	Seed Production of Cauliflower	On Campus	3	12	15
31	Vermicompost Production	On Campus	15	4	19
32	Leadership development in villages	On Campus	14	20	34



Off campus training (Dangar village)



On campus training



Off campus training (Diengpasoh village)



On campus training



Off campus training

EXTENSION ACTIVITIES

Field Days

To showcase the advantages of the new technologies in the farmers field, a total of fifteen numbers of field days were conducted in the various trials under OFT and FLD benefitting one hundred and fifty seven (157) persons of the farming community.



Field Day on RCT of rice at Myllem



Field Day of maize (HQPM 1) at Laitjem



Field Day on SRI of rice at Myllem



Field Day of Pea (use of Bio organic formulation for increasing yield) at Mawklot



Field Day of ginger (Use of Bio-organic formulation GF-2) at Diengpasoh

LECTURES DELIVERED

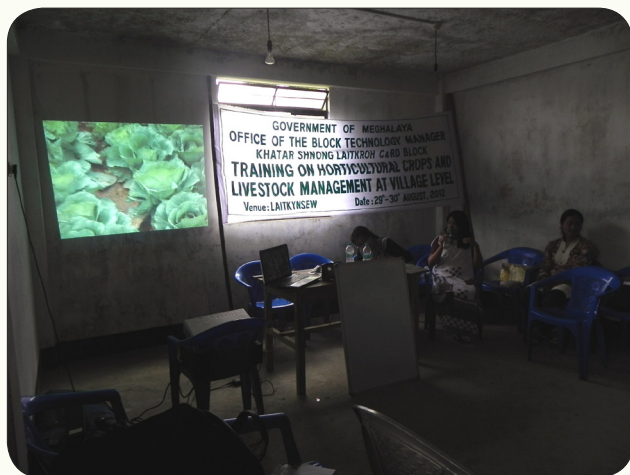
The Programme Coordinator and other SMS's were invited as Resource Persons by line departments of the state government. A total number of six lectures were delivered where 99 males and 138 females were benefitted.



Programme Coordinator delivering a lecture as resource person in Laitkroh Block .

FILM SHOW:

A total number of eleven film shows were shown in various operational villages to make the farmers aware of the latest agricultural technologies available. A positive response was received from 141 males and 218 females who were benefitted from the shows.



Film show at Laitkroh Block

DIAGNOSTIC / SCIENTIST VISIT

The Programme Coordinator along with the SMSs of the centre conducted forty three diagnostic visits and 79 Scientist visits along with extension officers from the State Agriculture Department to the farmers field to provide on the field, solutions relating to the crops grown and to conduct other extension activities. A total of five hundred and forty nine (549) farmers were benefitted from these visits.



Infestation of Red spider mites of tomato at Mawryngkneng



Scientists visit to farmers field



Blast of rice diagnosed at a farmers field in Diengpasoh village



Scientists visit to farmers field at Lumwahkrem village



Method Demonstration at Sadew



Rhizoctonia rot of French bean diagnosed at Laitjem village

METHOD DEMONSTRATION

SMS from the Centre conducted thirty nine (39) number of method demonstrations for the benefit of 222 farmers in the various operational villages. The topics of the method demonstration varied according to the localized needs of the particular village and the season.



Method Demonstration on line sowing of onion



Method Demonstration on use of adjustable row marker at Mawryngkneng village



Method Demonstration on nursery raising at Myllem

GROUP DISCUSSION:

A total number of thirty group discussions were conducted in which 80 males and 144 females participated.



Group discussion



PRA conducted at Diengpasoh village

FARMERS VISIT:

A total number of one hundred and forty five farmers (57 males & 88 females) visited the demonstration units located in the KVK farm and operational villages.



Farmers visits to a Demo unit in Laitjem

LEAFLETS:

One leaflet on “Potato Nutrient Management” was published in local language(Khasi) during the reporting period .



KA RUKOM PYNBIANG SBOH HA KA REP PHAN
(NUTRIENT MANAGEMENT IN POTATO)



Krishi Vigyan Kendra (KVK)
East Khasi Hills District
Sanmer, Upper Shillong-793009



La wad jingtip bad la pynwan sha ka ktien Khasi da l
Badapmain Makdoh (SMS) bad Baiaishah Syiemlieh (FM)

EXPOSURE VISIT:

Programme Coordinator and SMSs of the KVK in collaboration with ATMA visited ICAR-RC-NEH, Umiam on several occasions along with thirty seven farmers (19 males & 18 females).



The farmers in the Horticulture farm in the exposure visit



Outside the Food Processing and Packaging Unit, ICAR NEH



Expert demonstrating the implements in the Engineering wing, ICAR NEH

During the visits, the farmers were taken to different divisions and were exposed to the various new technologies developed in the Centre. The farmers were motivated to adopt the different technologies in their fields in the near future.

RADIO TALK/TV PROGRAMMES:

A Radio talk on the the role of cooperatives in bringing about Food security was given by the SMS of the Centre. The Programme Coordinator and other SMS were also invited and participated as experts in various "Live Phone-In" Programmes of the Doordarshan Kendra, Shillong.



SMS interviewed by Doordarshan Kendra Shillong at Sadew

WORLD FOOD DAY CELEBRATION

World Food Day was celebrated on the 16th October 2012 under the theme "Agricultural Cooperatives - Key to feeding the World". On this occasion, an Inter College Debate Competition was organized on the topic "Everything else can wait but not Agriculture" which was attended by a number of institutions of the city. The Debate was presided over



World food Day celebration

by Ms. Mayfereen Ryntathiang, Senior Programme Officer, Voluntary Health Association of Meghalaya (VHAM). The competition witnessed a healthy exchange of arguments and rebuttals from all the participants.

The competition was attended by Mr. E. Shanpru, Retired Joint Director, Department of Agriculture, Govt. of Meghalaya as the Chief Guest and Shri. H.K. Najiar, Retired Horticulture Officer, Department of Agriculture Govt. of Meghalaya as the Guest of Honour apart from other officials and invitees from other institutions. At the end of the competition, the Best Team was awarded to St. Anthony's College represented by Irilang Lyngdoh Mawlong and Subhajit Paul and the Runners Up were students from Martin Luther Christian University represented by Comfortablesen Nongsiej and Ginia Carissa Langstieh. Sophya Dkhar of Lady Keane College was adjudged the Best Debator of the competition.



P.C. KVK Ri-Bhoi distributed the prizes to the participants

IMPORTANT EVENTS

1. A One day Training Programme on Food Processing and Value addition for farmers was jointly organized with the Indian Institute of Crop Processing Technology (IICPT) on the 30th July 2012 with resource persons from the District Horticulture Office and Meghalaya Cooperative Apex Bank (MCAB).
2. Directorate of Agriculture organized one day Orientation Programme for the KVK officials (SMSs and Farm managers) on the 31st July 2012.
3. Programme Coordinator attended the HRD programme on Entrepreneurship Development at IIE, Guahati, 7th-8th August 2012.
4. SMS (Agril. Extension) and SMS (Agronomy) attended a training programme organized by MAMETI in collaboration with IBIS, Kolkata on Human Resource Development from 23rd - 24th August 2012.
5. SMS (Agril. Extension) and SMS (Agronomy) attended a training programme on Preparation of Detailed Project Report organized by MAMETI in collaboration with

ETPL, Shillong from 27th - 31st August 2012.

6. On the 31st October 2012, ZPD along with Director of Agriculture and Joint Director R&T, Meghalaya, visited the centre for inspection of the KVK land.
7. Programme Coordinator took part in the 7th National Conference at Punjab Agricultural University, Ludhiana from 20th - 22nd November 2012
8. SMS (Horticulture) and SMS (Plant Protection) attended a training programme on Supply Chain Management of Horticultural crops organized by ICAR NEH at Barapani from 21st-28th November 2012.
9. A farewell programme for Dr R.B Dympep, Director of Agriculture, Meghalaya was organized on the 16th December 2012 by the KVKs of Meghalaya at KVK EKH.



One day orientation programme for KVK staff



Distribution of seeds to "Iabeitlang" Self Help Group for conducting FLD



Programme Coordinator in a stall during the 7th NC, PAU.



IPM kits distributed to the farmers at Mawryngkneng



Hands On training programme sponsored by IICPT



ZPD inspected the KVK land along with Director of Agriculture, Meghalaya and Joint Director R & T



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To



BOOK POST
