



KVK WEST KHASI HILLS

NEWSLETTER

NONGSHILLONG, P.O. NONGSTOIN, MEGHALAYA- 793119



VOL: 1

NO.10

JANUARY-JUNE 2015

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HIGHLIGHTS OF THE KVK ACTIVITIES (January-June 2015)

Activities	No.	Beneficiaries
On Farm Trial(OFT)	11	23
Front line Demonstration(FLD)	13	77
Training for Practicing Farmers	33	1000
Training for Farm women	8	200
Training for Rural Youth	12	370
Other Extension Activities		

IMPORTANT EVENTS

- KVK West Khasi Hills, Nongshillong organized its Scientific Advisory Committee (SAC) meeting for the year 2015-16 on the 5th March, 2015 in the office of the District Agriculture Officer, Nongstoin, West Khasi Hills. The purpose of the meeting is to assess the progress of the KVK, to set up the goals and to refine the forth coming activities of the KVK. The SAC meeting was chaired by Smt. D. Syiemiong, Director of Agriculture, Government of Meghalaya in the presence of the Committee members from different Department of the district and progressive farmers.

- KVK West Khasi Hills, Nongshillong had organized a one day exhibition programme on showcasing the technologies and activities of the KVK on the 31st March, 2015 at U Tirot Sing Syiem Memorial Hall, Pyndengumiong Mairang with Shri. C. R. Sawkmie, Sub-Divisional Agriculture Officer, Mairang as the Chief Guest of the programme in the presence of Shri. B Syiemiong, Headman of Pyndengumiong village, Officers from Department of Animal Husbandry & Veterinary and Department of Fisheries with the active participation of the farmers from the district. The exhibits items of field crops, vegetables, flowers and livestock breed were display during the programme.



Exhibition programme at U Tirot Sing Syiem Memorial Hall, Pyndengumiong Mairang village

ON FARM TRIALS (OFTs)

One of the major mandates of KVK West Khasi Hills is to solve the location specific problems of the farmers by conducting On Farm Trials (OFT). KVK conducted 11 OFTs during this period which benefited 26 farmers

Sl. No.	Name of OFTs	Discipline
1.	<ul style="list-style-type: none">❖ Potato based intercropping❖ Introduction of baby corn in NEH Region❖ Effect of nitrogen in interaction with different organic sources on growth and yield of potato	Agronomy
2.	<ul style="list-style-type: none">❖ Performance of garlic❖ INM in Khasi mandarin	Horticulture
3.	<ul style="list-style-type: none">❖ Management of Rhizome rot of ginger by using GF1 (April –December)❖ Rejuvenation of citrus orchard (year round IPM in ginger❖ Management of potato white grub by using Beauveris	Plant Protection
4.	<ul style="list-style-type: none">❖ Popularization of large black	Animal Science
5.	<ul style="list-style-type: none">❖ Evaluation the performance of Amur common carp and local common carp in Composite fish culture	Fisheries
6.	<ul style="list-style-type: none">❖ To study the marketing efficiency of agricultural produce through different marketing channels in West Khasi Hills District	Agricultural Extension

Performance of Garlic

On farm trial was conducted at Mairang and Pyrda thymmai Village on Package of practice of Garlic as the farmers lack the knowledge on scientific cultivation of the crop. Treatments given were T1- Vermicompost, T2- Vermicompost and Farm yard Manure(FYM) and T3- Farmers Practice. The bulb size recorded was 22 mm in the treatment (T2) combination of Vermicompost and FYM with the yield of 10.6qtls/ha as compared to 13.56 mm bulb size and yield of 4.8 qtls/ha in farmers practices.



OFT conducted on Performance of garlic



INM in Khasi mandarin

FRONTLINE DEMONSTRATIONS

1. The KVK had conducted 13FLDs during this period which benefitted 77 farmers. These FLDs are Construction of Jalkund, Use of tubular maize Sheller for removing grains from dry maize cobs, performance of potato (*Solanum tuberosum*) and maize in intercropping, effect of broadcasting method of lime application on yield of Rice, Off season production of tomato under protected cultivation, Scientific cultivation of turmeric, Cultivation of oyster mushroom, Application of Trichoderma for management of rice sheath blight, Pig-cum-fish farming, Rural poultry farming with improved breed of backyard poultry 'Vanaraja and Gramapriya', Pre & Post Stocking Management in Composite fish culture, Rice-fish culture, Participatory videos

• Rice-fish culture

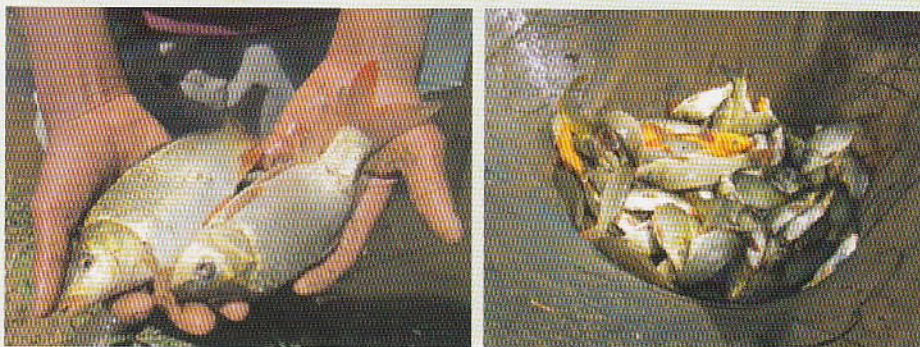
FLD on Rice-fish culture was conducted in Nongshillong, Tengri, Pyrda, Mawlieh and Tiehthawiar starting from May 2015. The fields were modified by digging canals or trenches and the dykes have been elevated with gentle slope which can retain or withstand if water level rises. Inlet and outlet with fine screening are also installed to check the water level. About 4000 nos of Fingerlings

(common carp, mrigal, gonius) were stocked per ha of paddy area.

After 157 days of culture period,

paddy (Ba Iwai - local variety) and fish are harvested at the same time and the average fish production from this system was 410 kg/ha and rice production was 30qtls/ha with similar results in all the villages.





Front line demonstration on Rice-fish culture conducted at Pyrda thymmai village

- **Introduction of cultivation of oyster mushroom**

After successful completion of on farm testing on introduction of cultivation of oyster mushroom in Nongshillong, West Khasi Hills, frontline demonstration was conducted for the same. Micro climate of Nongshillong was found to be suitable for the cultivation of oyster mushroom from the previous trial, so large scale cultivation was introduced. The demonstration was started in the month of May 2015 and the cropping period lasted till August 2015. On an average thirteen harvestings were done yielding 234 kgs of fresh mushrooms from 100 mushroom beds. Demonstration period was during the months of heavy rainfall but still farmers could harvest significant quantity of mushrooms. Yield of mushroom is reduced during the months of heavy rainfall as mushroom fructification requires diffused sunlight.



Front line demonstration on cultivation of oyster mushroom conducted at Nongshillong village

TRAININGS CONDUCTED

2. **Training for Practicing Farmers :** Training is an essential part of the curriculum of the farmers for more efficient management of his farm. During this period a total of 33 training were conducted in various villages of West and South West Khasi Hills which had benefitted 1000 farmers.

3. Training for Farm Women: Rural women play an important role in the day to day farming activities. Eight training programs specific for farm women was conducted in the district during the period which benefitted 200 farm women.
4. Training for Rural youth : Rural youth are the future of the farming community. They need a strong base so that they can establish themselves well as potential progressive farmers as well as entrepreneurs and bringing about a better living status among the farming community. A total of 12 training was conducted which benefitted 370 youth from across the region.



Off campus training conducted in different villages of the district

OTHER EXTENSION ACTIVITIES

- ICAR (RC) for NEH Region, Umiam for supply of fish fingerlings and mushroom spawn
- As a resource person for the training programme organized by MAMETI at IATC, Upper Shillong
- As a resource person for the training programme organized by Meghalaya State Fisheries Research and Training Institute (MSFRTI) at Mawpun
- State Bio-Control Laboratory (SBCL), Upper Shillong for supply of bio-agents, bio pesticides for research work
- As a resource person for the training programme organized by Meghalaya Basin Office, Mairang C & RD Block, Mawthadraishan C & RD Block, Nongstoin C & RD Block & Mawshynrut C& RD Block

2. PARTICIPATION BY THE KVK

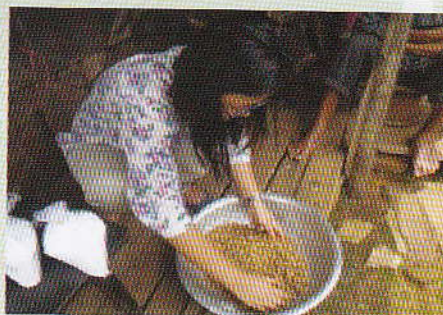
- ✓ Attended Annual Zonal Workshop 2015-16 at Khanapara, Guwahati, Assam (10th -13th March 2015)
- ✓ Attended North East Zone Regional Agri Fair 2014-15 (8,9,10 January 2015) Theme- "Climate change and food security: Enabling farmers for Adaptation and Mitigation"

HUMAN RESOURCE DEVELOPMENT

- Smti. Itirekha R Marak, SMS (Plant Protection) attended training programme at NIPHM, Hyderabad on AESA based plant health management in conjunction with ecological engineering for pest management (25th February - 17th March 2015)
- Smti. Yvonne Sohtun, SMS (Horticulture) participated in the training programme on Training of Trainers' at Directorate of Agriculture, Shillong (17th-19th June 2015)

OTHER ACCOMPLISHMENTS

Activities	No. of programmes
Diagnostic visits	56
Advisory service	119
Field Day	1
Film show	6
Method Demonstrations	15
Scientific visit to farmers field	170
Lectures delivered as resource persons	15
KMAS	24
Exhibition	1



Method demonstration on Management of rice blight disease by using bio agents- Trichoderma at Mairangbah and Pyndengumiong village



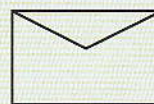
Training cum demonstration on Liming of fish pond using agricultural lime, manuring, feeding (Pre and Post stocking pond management) at Mawlangren village in collaboration with ATMA, Mawthadraishan C & RD Block

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BOOK POST

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