



e-Arik
ICTs for Agricultural Extension



Report On

“Training and Demonstration on Advanced Farm Technologies”



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All the Photographs used in this report are captured from Gobo farming area on 6th June, 2008

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“Arik” means “Agriculture” in the Adi tribal dialect of Arunachal Pradesh State

Report On
“Training and Demonstration on Advanced Farm Technologies”

Training Organiser

Dr. R. Saravanan

Assistant Professor

**(Extension Education and Rural Sociology) &
Principal Investigator, e-Arik**

Training Co-organisers & Resource Persons

Dr. Debashish Sen, Assistant Professor (Agronomy)

Mr. Toge Riba, SMS (Entomology)

Dr. P. Raja, Assistant Professor (Pathology)

Dr. Vikas Singh, SMS (Vegetables)

Mr. Md. Shah Mustahid Hussain, SMS (Fisheries)

Executive Summary

The e-Arik (e-Agriculture) project team, experts from College of Horticulture and Forestry, Central Agricultural University and KVK, East Siang District, conducted a farmers' training programme titled "Training and Demonstration on Advanced Farm Technologies" on 06th June, 2008 at Gobo farming area, Yagrung village. 105 (42 women and 63 male) farmers participated in the day long training programme.

Dr. R. Saravanan, Principal Investigator (e-Arik project), welcomed the farmers and explained the purpose of the training programme. Considering the beginning of the rice cultivation season, advanced rice nursery management techniques were discussed by Dr. Debashish Sen, Assistant Professor (Agronomy). It was followed by rice integrated pest and diseases management lectures delivered by Mr. Toge Riba, Subject Matter Specialist (Entomology) and Dr. P. Raja, Assistant Professor (Pathology) respectively. Awareness lectures on Hybrid vegetable cultivation and Composite fish culture were discussed by the Dr. Vikas Singh, Subject Matter Specialist (Vegetables) and Mr. Md. Shah Mustahid Hussain, Subject Matter Specialist (Fisheries) respectively. During the training programme extension bulletins on Integrated Rice Pest Management, Integrated Rice Diseases Management and composite fish culture were distributed to the benefit of the farmers.

Rice seed treatment for diseases control was demonstrated in the nursery field of the one of the progressive farmers of Gobo area, Mr. Kasong Taloh, by Dr. Raja and other experts. For the first time the advanced training and demonstration programme with LCD projector and computer was organised in Gobo farm area situated some five kilometres away from Yagrung village. All the training participants were staying in their farm itself and most of them are doing farming in leased-in lands. This training programme is a part of series of ongoing farm extension activities by the DSIR, Ministry of Science and Technology, GoI sponsored e-Arik research project and implemented by the College of Horticulture and Forestry, Pasighat. The e-Arik project adopted 500 farmers in 12 villages from the East Siang District for the advance farm technology dissemination through information and communication technologies (ICTs) and also farm and home visit by the four farmer facilitators. In Gobo farming area and Yagrung village alone, it adopted 125 rice growing farmers. Mr. John Siram, Farmer Facilitator for Yagrung and Gobo area, is regularly contacting the adopted farmers for creating awareness and also for the dissemination of advanced farm technologies.

Report

Introduction

The training programme was organised as a part of ongoing series of extension activities by the e-Arik project team in Yagrung and nearby 12 villages. At the outset, Dr. R. Saravanan, Principal investigator of the e-Arik: ICTs for Agricultural Extension Project, welcomed all the farmer participants and resource persons. He highlighted the importance of organising such training and demonstration programme. 105 (42 women and 63 male) farmers participated in a day long training programme. The training programme was held in Gobo faming area some five kilometres from Yagrung village of East Siang District, Arunchal Pradesh State.

Topics and Resource Persons

Nursery Management in Rice Cultivation

Dr. Debashish Sen

Assistant Professor (Agronomy)



Dr. D. Sen Delivering a Lecture on Nursery Management in Rice Cultivation

Dr. D. Sen explained about the field preparation for rice nursery. He explained the information on rice seed sowing, after care and other nursery management aspects. He also discussed the method of System of Rice Intensification (SRI) and highlighted a few success stories from Tripura state.

Integrated Pest Management (IPM) in Paddy

Mr. Toge Riba

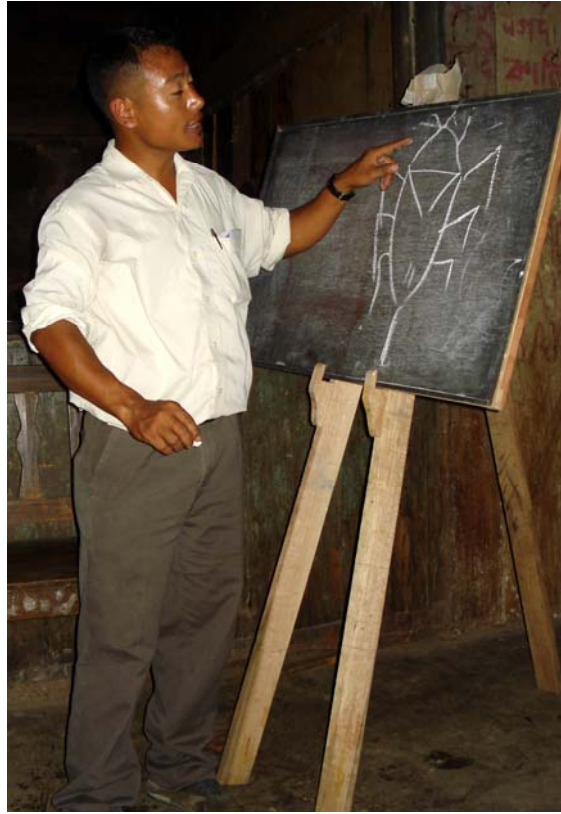
Subject Matter Specialist (Entomology)

Among the food grains paddy occupies foremost status in human food requirements. Paddy is grown under different agro-climatic (Upland, Low land & Rainfed) conditions and the crop is damaged by more than 100 species of insect pests. This pest causes enormous grain yield losses, which may vary from 20-50 per cent if not protected, India losses 30 per cent yield in rice every year. It is the most important staple food of about 65 per cent of Indian population; in Arunachal, it is more than 90 per cent.



Mr. T. Riba discussing Rice IPM Strategies

During the training session, Mr. Riba briefly outlined the meaning and importance of IPM approach. He explained in detail about the cultural, mechanical, biological, chemical, weed and rodent control measures. Further, he discussed major rice pests, damage symptoms, traditional and IPM measures for the pests such as; stem borer, plant hopper, gundy bug, leaf folder, termite, rice hispa, mole cricket and rodents.



Mr. T. Riba Explaining Gundy bug and its Management Measures



A Section of Farmer Participants

Integrated Diseases Management in Paddy

Dr. P. Raja

Assistant Professor (Pathology)



Dr. P. Raja Showing Bio-control Agent- *Trichoderma viride* to the Farmers

Dr. P. Raja outlined major diseases of rice crop in yagrung area of East Siang District. He explained diseases causal organisms, survival mechanism, symptoms and integrated diseases management measures for the rice diseases such as; blast, brown spot, narrow brown leaf spot, sheath rot, sheath blight, grain discoloration, false smut, Udbatta disease, stack burn disease, kernel smut, foot rot, bacterial leaf blight and other minor diseases.



A Section of Farmer Participants

Hybrid Vegetables Cultivation and Management

Dr. Vikas Singh

Subject Matter Specialist (Vegetables)



Dr. Vikas Singh, SMS (Vegetables) Explaining Hybrid Vegetable Cultivation

Dr. Vikas Singh, at the outset, explained State wise area and production and productivity trends of vegetables in North- East region. Further, he Explained reasons for lowest productivity in Arunachal Pradesh. He also highlighted importance of hybrid seeds and percentage of area under the hybrid vegetable cultivation in North-East region in general and Arunachal Pradesh in particular. He also discussed hybrid seed production technology.



A section of farmer participants

Composite Fish Culture

Mr. Md. Shah Mustahid Hussain, Subject Matter Specialist (Fisheries)



Mr. Md. Shah Mustahid Hussain, SMS (Fisheries) Composite Fish Culture

Mr. S.M. Hussain said that Aquaculture has acquired a special significance not only because of its contribution to food resources but also for contribution to quality of our diet. There is a large cultivable area of stagnant fresh water in Arunachal Pradesh in the form of ponds, tanks and beels etc., of which only small part is utilized for fish culture. Though the farmers are doing fish culture but still the technology of aquaculture has not been well established among them. For which the farmers are not able to harvest desired yield. There are many fish culture technologies available and among them composite carp farming system is the most suitable one for this region. Further, he explained the procedure on pre –stocking management, stocking management and post stocking management. He also outlined sampling for growth and health observation.



Youth of the Farm Family Keenly Listen to the Fish Composite Culture



Youth of the Farm Family Keenly Listen to the Fish Composite Culture

Seed Treatment

Importance and benefits of bio-fertilizer and fungicide treatments were discussed by the subject matter specialists. To demonstrate fungicide treatment, the farmers and experts travelled another two kilometres to reach the demonstration site, where ready sowing material and field for nursery raising were ready for demonstration.



Subject Matter Specialists and Farmers Travelling to the Demonstration Site



Subject Matter Specialists and Farmers Travelling to the Demonstration Site



Paddy Seeds Ready for Nursery Sowing



Field for Paddy Nursery Rising

Demonstrating Seed Treatment with Fungicide



Dr. P. Raja, Assistant Professor (Pathology) Demonstrating Seed Treatment with Fungicide at the Farmers Field

Extension Bulletins

During the training programme following three extension bulletins were distributed for the benefit of farmers.

1. Integrated Pest Management in Paddy by T. Riba
2. Integrated Diseases Management of Rice by P. Raja
3. Composite Fish Culture by S. M. Hussain



List of Farmers Participated in the Training Programme from Gobo Farming Area, Yagrung Village

Sl. No.	Name of the Farmer Participant	Sl. No.	Name of the Farmer Participant
1.	Mr. Ram Bhadur Tapa	2.	Mr. Vishnu Bhadur Tapa
3.	Mr. Mupis Hussian	4.	Mr. Suberi Chettry
5.	Mr. Kedar Chettry	6.	Mr. Kalu Tamang
7.	Mr. Gokul Ahmed	8.	Mr. Sana Ali
9.	Mr. Mohammad Ali	10.	Mr. Naga Ali
11.	Mr. Vir Bhadur Chettry	12.	Mr. Puska Vorman
13.	Mr. Afur Ali	14.	Mr. Man Bhadur Chettry
15.	Mr. Dan Bhadur Chettry	16.	Ms. Saharban
17.	Mr. Arafbi Ali	18.	Mr. Manosh Roi
19.	Mr. Gojen Rajbangsi	20.	Mr. Inush Ali
21.	Mr. Digonto Roi	22.	Mr. Naijul Ali
23.	Mr. Najam Ali	24.	Ms. Revina Begum
25.	Mr. Gopal Chettry	26.	Mr. Narend Verman
27.	Mr. Bal Bhadur Chettry	28.	Ms. Kunti Verman
29.	Mr. Shiv Kumar	30.	Ms. Kausal Rai
31.	Mr. Om Bhadur Tapa	32.	Ms. Omika Maya
33.	Ms. Bhuma Devi	34.	Ms. Suk Maya Thapa
35.	Mr. Rudra Bhadur Thapa	36.	Mr. Krishna Bhadur Chettry
37.	Ms. Jupi Chettry	38.	Ms. Ambika Chettry
39.	Ms. Puja Taloh	40.	Mr. Dan Chettry
41.	Mr. Littam Roi	42.	Mr. Suresh Thapa
43.	Ms. Sanethia Roi	44.	Ms. Tika Maya
45.	Ms. Pulmaya Thapa	46.	Ms. Kaila Thapa
47.	Ms. Meena Kumar	48.	Ms. Neelu
49.	Ms. Chaili Tappa	50.	Ms. Durga Thapa
51.	Ms. Joymothi Roi	52.	Ms. Kaushal Roi
53.	Mr. Hen Thapa	54.	Mr. Baful Hussain
55.	Ms. Bunu Thapa	56.	Ms. Kanshi Thapa
57.	Ms. Uma Thapa	58.	Mr. Altaf Hussain
59.	Mr. Man Bhadur Thapa	60.	Mr. Purno Thapa
61.	Mr. Bal Bhadur Thapa	62.	Mr. Korka Bhadur Chettry
63.	Mr. Gopal Thapa	64.	Mr. Sombar Thapa
65.	Ms. Mono Maya Chettry	66.	Ms. Omika Devi
67.	Mr. Sondra Br Thapa	68.	Ms. Kameli Rai
69.	Mr. Tek Br Thapa	70.	Mr. Thapa
71.	Mr. Hem Bhadur Thapa	72.	Mr. Ranjit Tapa
73.	Ms. Hari Maya Chettry	74.	Mr. Dan Bhadur Rai
75.	Mr. Ram Bhadur Chettry	76.	Mr. Lome Tapa
77.	Mr. Bhpen Tapa	78.	Ms. Purmo Maya Thapa
79.	Mr. Gore Kotuwal	80.	Ms. Shanti Maya Rai Tamang
81.	Ms. Puja Bujel	82.	Mr. N. Chettry
83.	Mr. Keshab Chettry	84.	Mr. Jeet Thapa
85.	Mr. Sontule Limbu	86.	Ms. Garuni Limbu
87.	Ms. Pulmaya Thapa	88.	Ms. Anjana Mohoto
89.	Mr. Manik Barnan	90.	Mr. Bhim Bhadur Chettry
91.	Ms. Durga Maya	92.	Ms. Jaya Prakash Sharma
93.	Ms. Sanu Kotual	94.	Ms. Kumari Chettry
95.	Ms. Maya Devi	96.	Mr. Tasi Goi
97.	Mr. Kosang Taloh	98.	Ms. Vishnu Taloh
99.	Mr. Nonmath Chettry	100.	Mr. Ontore Thapa
101.	Mr. Krishna Bhadur Kotaul	102.	Ms. Maya Sharma
103.	Mr. Bhadri Suberi	104.	Mr. Tasing siram
105.	T. Tabing		

For more details

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