



Title of the Training : Three Days Residential Training on Pest Management and Organic Manure Preparation Methods

Programme : Special Program for Promotion of Millets in Tribal areas of Odisha

Venue : SAMBHAV, RohibankaNayagarh

Date : From 22nd to 24th September 2017

A three days training programme on the above theme had been organized by WASSAN at SAMBHAV, Rohibanka, Nayagarh. The participants from Agriculture Department, Kandhamal, all District Project Coordinators of WASSAN, and Coordinators from Facilitating Agencies & Community Resource Persons (CRPs) from Kandhamal, Nuapada and Kalahandihad attended the program. The details of participants is given in Annexure-I.

The very purpose of the training is to familiarize the participants on different pests which affect the millet crops and preparation of Organic pesticides, organic manures and their application to get rid from the pests and insects.

Day 1 (Dt: 22-09-2017)

The programme was started with a warm welcome by Ms. Sabarmati. A round of self-introduction was carried out by the participants. Ms. Sabarmati shared the journey of SAMBHAV and how they have been involved in the organic farming. She mentioned that if ecofriendly technologies, locally available resources and less drudgery become key components of organic farming methodology then farmers will readily accept it. She then welcomed Mr. Ekadashi Nandi (Extent Seed & OF Odisha) to deliver his talk and enlighten the participants.

Session-I: Mr. Ekadashi Nandi started his lecturer on



- Type of Soil, soil fertility, factors of soil erosion and its control.
- The Difference between Chemical fertilizer and Organic fertilizer and, the need of organic manure in today's context.
- Need to improve the consumption of millets in farmer households
- District wise yield of millet w.r.t. to state of Odisha.
- Quantity of nutrient required for millet crop.
- Preparation of Organic manure and pesticides such as Jeevamrut, Beejamrut and Pot Compost in low cost.

Session-II:

The second session was chaired by Mr. Hemanta Das DPD ATMA Kandhmal. He came up with ice breaking exercise and started his lecturer on different types of soil treatment in organic methods. Following are his contents of discussion:-

- Different type of soil born and seed diseases
- Use of Trichoderma and Pseudomonas for nitrogen fixation in soil.
- Potassium Solubilizing Bacteria (PSB) for value addition of FYM.

Session-III:

After the lunch Mr. Ekadashi Nandi welcomed the participants to the afternoon session and delivers his final talk on the following topics:-

- Methods to decompose of organic waste.
- Application of Pesticides and Manures

Day 2

Session-I: In very morning all the participants were divided into two groups and move to field with Ms. Sabarmati to observe different types of pests in Millet and Rice crops. Participants collected photographs of pests and samples of pests in containers after which Ms. Sabarmati differentiated the harmful and predator (farmer friendly) pests.



Session -II: Exposure to Organic Compost Unit after the field visit. The participants were exposed to different types of Organic Manure Units of SAMBHAV like Annada, Jeevamrut,

Pot Compost, Fish tonic, Goat Doctor, vermicompost in the SAMBHAV campus. During the visit, the doubts and questions were sorted out by Ms. Namita. She vividly elaborated the process, fermentation period and the dilution factor for application in field/plant. In afternoon session the participants themselves prepared the above manure/pesticides under the guidance of her.



After the dinner the participants again took to the Rice and Millet field to see different types of pests active after sunset.

Day: 3

In the morning the participants again visited the millet and rice fields to see different types of pests active in morning. The exercise again conducted during forenoon in the presence of Dr. Haraprasad Mishra, Entomologist and Professor OUAT. The participants shared their last two day field observation on pests and their activeness during different time of day. He then, gave a lecturer on the following topics.

- Classification of insects, pests, type of crop pests,
- Economic Importance of pests
- Lifecycle of insects and pests
- Ecological, Biological, Physical and Mechanical method to control the pests.
- The name of pests, their identification marks and control in organic method.

The post lunch session was conducted by Ms. Sabarmati and she asked the participant to share their valuable feedback. Individually the participants gave their feedback. The three day residential training was really a learning event. The accommodation, food, Training Materials, Teaching techniques, practical sessions were really well organized by SAMBHAV. At last Girish Samal Coordinator,



SWATI,Kandhamalgave vote of thanks and the session ended.