

Report of Training on Organic Farming under NAHEP-IDP conducted from February 7-13, 2023 at Bawal

The training started with inaugural remarks by Dr. Dharamabir Yadav, Regional Director RRS Bawal and Dr. Naresh Kausik Principal College of Agriculture, Bawal on February 7, 2023. All faculty members were of RRS. KVK and COA Bawal were present on this occasion. Dr. Amarjeet Assistant Scientist (Agronomy) and Co-coordinator of training briefed the house about various activities to be undertaken in the training. After that, Dr. Dharambir Yadav delivered lecture on Introduction to Organic farming. He told about the organic farming and its importance and why it is necessary in present life? Dr. Amarjeet updated about the status of organic farming in the country and world and also highlighted scope of organic farming. Second day of training Dr. Mukesh Kamboj, Regional Counsel for certification, delivered lecture on 'Certification of organic products'. He told about organic farming and its certification and its process. Why and what is the need for the certification of organic products. He told about various agencies for certifications. He also highlighted National program for organic production (NPOP) and its various standards which is necessary for the certifications of organic products. In this lecture he also acquainted participants with the PGS system of certification. He also talked about export potential of organic produce. The second lecture was on 'Scope on Startups in organic farming'. In this lecture the students were motivated for entrepreneurship in Organic farming by important tips and SWOT of organic farming. Many success stories of different successful entrepreneur were told to participants. Third day was of exposure visit to IARI, New Delhi. First of all "Biomass unit" was shown to participants. Here, Dr. Ranbir Singh (Technical Officer) accompanied all trainees on a round of unit and showed different compost made from various kind of waste. Students took keen interest in this unit. Students were also shown vermicomposting beds, earthworm rearing, vermin-wash collection and prepared vermin-compost. Dr. Shiva Dhar Principal Scientist and In-charge of biomass unit delivered lecture on 'Preparation on manure/ compost through agri-residue for organic farming'. He explained all procedures, inputs and machines turning machine, shredder etc. used in composting and finally marketing. The annual turnover of this unit is about Rs. 10 million. After that IFS Unit (Integrated Farming System Unit) was visited. Dr. Rajiv Kumar Singh Principal Scientist and In-Charge of IFS unit took trainees to all components like cropping systems, Duckery, Fishery, Poultry, biogas and dairy; and explained their daily requirement and also output; and finally

balance sheet of unit. The residues of all components are nutrient rich and are being properly analysed and scientific studies are carried out by PG students as thesis. Dr. Rajiv Kumar Singh explained importance of IFS particularly for small and marginal farmers and its role in organic farming. After that all students had lunch in Farmers Hostel of IARI. In post lunch session trainees were taken to Agronomy Division of IAR and interacted with Dr. Anchal Das Principal Scientist. He delivered lecture on 'Possible organic farming systems under micro-irrigation' and also took them field and shown the subsurface drip irrigation system in wheat. Fourth day Dr. Dibakar Mahanta Senior Scientist IARI New Delhi delivered lecture on 'Basic Concepts and Components of Organic Farming'. He started presentation with discussion essential requirement



Training on Organic Farming

of crops and nutrient availability, difference between compost and manure. FYM preparation and its properties. Dr. Dikarkar explained about the composting and its four phases, maturity and properties of compost. Then he explained the disease and pest in organic farming. He also discussed his experiences in organic farming in Uttarakhand. After that Dr. Naresh Kaushik

Principal COA Bawal, delivered lecture on 'Organic Farming under agro- forestry systems'. Fifth day Dr. D R Biswas, Principal Scientist IARI, delivered expert lecture on 'Preparation of Enrich Compost'. He discusses about the Historical view of organic farming. In his second lecture after tea break he discussed the 'Recycling of crop residues' for organic farming. He explained about deterioration of soil health and challenge in Indian agriculture, soil fertility. He also explained approach for sustainable soil management and Organic farming. Then he explained the advantage of organic farming. Dr D V Pathak, Professor MVN University, Palwal delivered lecture on 'Bio-fertilizer and bio-pesticide'. He discussed various kinds of bio-fertilizers and bio-pesticides and their role in organic farming. Sixth day Dr. Rameshwar Singh, Assistant Professor Soil Science, COA Bawal first delivered lecture on 'Natural Farming'. Then he took trainees on research experiment exposure on organic and natural farming. He showed preparation of various manures like Jeevaamrit etc. He also suggested trainees to establish Startup as "Organic Testing Lab". After that, Dr. Attar Singh Ex. Sr. Co-coordinator, KVK Bhiwani in his expert talk shared 'his experiences as Agricultural Extension Expert with farmers'. He discussed in detail SWOT analysis of Organic farming done by him and also shared some success as well as failure and reasons for both. Seventh day Dr R A Kaushik, Director Extension Education MPUA&T, Udaipur delivered expert lecture on "Organic Farming for Horticultural Crops". First he discussed Organic horticulture, its impact on human health. He also discussed Weeds, Disease and Nematodes and Insect management in Organic Horticulture. After his lecture Dr. Kaushik asked trainees to share their experiences of this training. He also motivated students for various enterprenial activities in Organic Horticulture and also shared some success stories of Rajasthan. After that, valedictory function was organized and Dr. RA Kaushik was chief guest of function. Dr. Naresh Kaushik, Principal COA Bawal and all faculty members were of RRS, KVK and COA Bawal were present on this occasion. Dr. Amarjeet Coordinator of Training briefed the chief guest and Principal about all activities undertaken in this training. He thanked Chief Guest and all other guests.