

Farmers' Training on Cultivation Technology of high-value vegetable crops under protected condition in changing climate situation of the farmers from Rohtas, Bihar, from 6 to 9 January 2025

A Training programme of farmers from Rohtas, Bihar was conducted at CATAT, ICAR-IARI, New Delhi from 6-9 January 2025. The training programme was sponsored by ATMA (Rohtas), Bihar and was attended by 38 male farmers from every corner of the District Rohtas of Bihar. The programme was conducted by the following scientists and Technical staffs of CATAT:

- Dr. Anil Kumar Singh, PS and In Charge, CATAT (Director)
- Dr. Sarbasis Chakravorty, PS (Co-ordinator)
- Dr. Raghuvver Singh Meena, TA (Asst. Coordinator)
- Sh. Prem Prakash Maurya, CTO (Asst. Coordinator).

The focus of the training programme was knowledge empowerment of the trainees regarding cultivation of high-value vegetable crops under protected condition in the current scenario of climate change – a serious concern of global level, which will affect the agriculture of tropical countries seriously in coming days. Most of the trainee farmers cultivate rice and wheat due to good irrigation network and most of them are acquainted with vegetable cultivation. Some of them are specialized in integrated farming, mushroom production and pisciculture is widespread in district Rohtas. As per the need assessed by discussion before with the ATMA Officials, theoretical and practical knowledge of the following aspects of crop production were imparted to the farmers:

- ✓ Production technology of vegetable crops e.g. Tomato, chilli and Capsicum, Tropical Broccoli and cauliflower and cucurbits.
- ✓ Vegetative propagation techniques of popular fruit crops e.g. guava, mango and citrus.
- ✓ Agronomic practices of high value vegetable crops especially under protected condition.
- ✓ Overview of the use of biofertilizers for economic crop production under changing climate.
- ✓ Use of biofertilizers for organic farming of vegetables.
- ✓ Integrated Farming System under dry-land and pond based farming scenario.
- ✓ Soil health management for economic vegetable production.
- ✓ Plant protection methods and techniques of high-value vegetable crops.
- ✓ Design of protected cultivation structure.
- ✓ Drip irrigation technology and hydroponics in protected cultivation.
- ✓ Drought management and micro irrigation for water economy in water scarce situation.
- ✓ Weather based agriculture in changing climate scenario.
- ✓ Value addition in vegetable produce for better price realization and marketing.

The farmers were highly interested in the training programme, so much so that, special personalized trainings were organized within the constraints of the schedule. The valedictory programme was graced by Dr. R. N. Padaria, the Joint Director (Extension), IARI. He guided the trainees for improving their income and alleviating the problems of

ground situation of their area. CATAT looks forward to sustain the connect with the farmers created through this training in solving their problems and in enhancing their economic condition.

Photo Gallery

