

Three days training program on 'प्राकृतिक संसाधन प्रबंधन के लिए जलवायु स्मार्ट तकनीकें' at ICAR RCER, Patna during 28-30 Jan, 2021

28th -30th January, 2021, Patna

A three-day training programme on Climate Smart Technologies for Natural Resource Management "प्राकृतिक संसाधन प्रबंधन के लिए जलवायु स्मार्ट तकनीकें" was organized at ICAR RCER, Patna under the aegis of the projects *Scaling up climate smart Agriculture through mainstreaming CSV in Bihar & Optimizing soil organic carbon stock in rice-based cropping system under irrigated ecosystem* from 28th to 30th January, 2021. A total of 37 farmers from Fatwah and Daniyawan cluster (Patna) participated in the programme. In the inaugural remarks, the Principal Investigator of the project **Dr A K Choudhary** apprised farmer about the need of natural resource management and inclusion of pulses in different cropping systems for better profitability and sustainability. **Dr Abhay Kumar** (Pr. Scientist, Agricultural Statistics) urged the farmers to continue climate smart agriculture even after the termination of this project. **Dr Rachana Dubey** (Scientist, Environmental Science) discussed the advantages of incorporating crop residue in enhancing soil organic carbon stock and mitigating climate change.

Farmers visited research farm of Dr Rajendra Prasad Central Agricultural University, Pusa. **Dr Mukesh Kumar** (Associate Professor, Agronomy) and **Dr S P Singh** (Asst Professor, Soil Science) narrated before farmers about the advantages of conservation agriculture. They also showed them the research plots where principles of conservation agriculture are being followed since the last 12 years. Farmers also visited the Borlaug

Institute for South Asia (BISA), Pusa, Samastipur. Farmers were apprised of raising different crops through raised bed technology. Wheat and potato were grown at the farm using raised bed method.

Scientists from ICAR-RCER, Patna namely and **Dr Prem Kumar Sundaram** briefed about the different machines such as laser land leveller, raised bed planter, multi crop planter, zero seed cum fertilizer drill, etc used in conservation agriculture. **Dr N Raju Singh** (Scientist, Agro-forestry) delivered and discussed the importance of natural resources and their conservation in the wake of climate change. **Dr Anirban Mukherjee** (Scientist, Agricultural Extension) suggested the farmers to form Farmers Producer Organization (FPO) and take advantages of different Government schemes. There were fruitful discussions with farmers related to zero tillage technology. The farmers were mainly concerned about the availability of zero tillage machine.

A valedictory function was held on Jan 30, 2021. The chief guest, **Dr Ujjwal Kumar (Director, ICAR RCER Patna)** emphasized for adoption of conservation agricultural techniques for mitigating the effects of different abiotic stresses such as drought, extremes of temperature, erratic rainfall, etc. Two farmers each from Fatwah and Daniyawan cluster also shared their individual viewpoint about the training programme. The three-days training programme ended with vote of thanks by Dr Rachana Dubey.

Glimpses of the three days training program

28th –30th January, 2021, Patna



At ICAR RCER Research Farm



At Research Farm of Dr RPCAU, Pusa, Samastipur



At Borlaug Institute of South Asia, Samastipur



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