



About the Institute ICAR-RCER, Patna

The institute came into existence on 22nd February, 2001 with its Headquarter at Patna and its Regional Centres at Darbhanga, Bihar and Ranchi, Jharkhand along with Two KVKs at Buxar, Bihar and Ramgarh, Jharkhand. Since establishment, the institute has undertaken various research extension and training activities in the areas of land and water resources management, crop, horticulture, aquatic crops, fishery, livestock and poultry, agro-forestry, processing, value addition and socio-economic aspects for agricultural development in the region so as to improve the livelihood of resource poor farmers. Every year the institute organizes more than fifty trainings for the stakeholders of agriculture. **Important land mark for reaching the institute is Patna Airport which is located within 1 km distance.**



Patron

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Training on Recent Innovations in Climate Smart Technology and Its up scaling Strategy (September 18-22, 2019)



Sponsored by
National Institute of Agricultural
Extension Management (MANAGE),
Rajendranagar, Hyderabad-500030



Organized by
ICAR-Research Complex for Eastern Region
ICAR Parisar, P. O.: Bihar Veterinary College,
Patna, Bihar – 800014

Why This Training?

Climate change is emerging as a major threat on agriculture, food security and livelihood of millions of people in many places of the world (IPCC, 2014). Changes in crop cultivation suitability and associated agriculture biodiversity decrease in input use efficiency, and prevalence of pests and diseases are some of the major causes of climate change impacts on agriculture. Agriculture production systems require adaptation to these changes in order to ensure the food and livelihood security of farming communities. There are several potential adaptation options to reduce moderate to severe climatic risks in agriculture. Adaptation options that sustainably increase productivity, enhance resilience to climatic stresses, and reduce greenhouse gas emissions are known as climate-smart agricultural (CSA) technologies, practices and services (FAO, 2010). Broadly, CSA focuses on developing resilient food production systems that lead to food and income security under progressive climate change and variability. Despite the various benefits of CSA technologies, the current rate of adoption by farmers is fairly low. There are many new technologies has been emerged to combat the effects of climate change. This 5 days training has been specially designed for the extension officers and it will give concise information of recent innovations in climate smart technologies and the empirical strategies for up-scaling. This will help the extension functionaries to upgrade their skill and knowledge in this area and enable them to assist farmers for sustainable adoption of climate smart technologies.

Topics to be covered in this training?

In this training programme the topics have been chosen in respect of practicality and immediate use.

The topics are

- Climate smart agriculture: an over view, Constraints, Issues and opportunities, role in food security
- Conservation agricultural practices, Residue management methods, Carbon sequestration and soil health management practices in mitigating climate change
- Climate Smart livelihood options based on recent research on crops and animal studies.
- Agricultural policies for implementing climate smart technologies, risk mitigation and strategy formulation.
- Visit to the Experimental Farms of Borlaug Institute for South Asia at PUSA, Samastipur and model climate smart villages
- Recent innovations in climate resilient farm mechanization
- Use of solar pump in agriculture for improving farm profitability, Application of Robotics and Artificial Intelligence (AI), Innovative Agril. Extension approaches in climate smart agriculture
- Bio-intensive management of insect pests under Changing Climatic Scenario
- PRA techniques to formulate village specific climate smart strategies

Faculty Involved in Training

Experts from the ICAR Research Complex for Eastern Region, Patna and its centers viz. Research Centre for Horticulture and Agroforestry, Ranchi, Borlaug Institute

for South Asia, CIMMYT and other experts from different ICAR institute and SAUs.

How to apply for this Training

Interested participants may send nominations through their Head of Organizations to

Dr. K. N. Ravi Kumar

Director (Agril. Marketing),

e mail: nirmal.ravi2015@manage.gov.in

Mobile No. 8464047092

Candidates can also register their names through submitting an on-line application form available for the off campus training on MANAGE website www.manage.gov.in.

For enquiries on training programme kindly contact

Dr. Srinivasacharyulu Attaluri,

Programme Officer, MANAGE

e mail: s.attaluri@manage.gov.in

Mobile No. 8499937512.

Kindly send a copy of application to the course director ujkumar19@rediffmail.com for record.

