

Agricultural Technologies developed by ICAR RCER, Patna recognized and awarded at National level

A total of 13 technologies developed by ICAR Research Complex for Eastern Region, Patna and its Regional Centre at Ranchi have been recognized at National level by Indian Council of Agricultural Research, New Delhi during its Foundation Day on July 16, 2023. Two of these technologies namely “Seed based technology delivery model through Farmers Producer Organization (FPO)” under Agricultural Extension and “Solar Irrigation Pump Sizing Tool” under Natural Resource Management were awarded by Agriculture Ministry, Government of India in Top Five technologies of concerned discip

line. Out of 13 technologies, 7 has been developed at ICAR RCER HQ at Patna and five at Ranchi Centre. Following is the list of technologies certified by ICAR, New Delhi. Now the possibilities of its possible commercialization with private sector companies are being explored.

List of Technologies developed by ICAR RCER with its lead developer

Sl. No	Title of technology (Category)	Developers	Remarks
1.	Solar Irrigation Pump Sizing Tool	Lead Developer Dr Santosh S Mali	Technology
2.	Integrated Farming Systems for different ecologies of Eastern India	Lead Developer Sanjeev Kumar	Technology
3.	Multitier cropping system for rainfed uplands of Eastern India	Lead Developer M.K. Dhakar	Technology
4.	Sustainable intensification of rice-wheat cropping system with summer greengram using resource conservation technologies in Eastern India	Lead Developer Rakesh Kumar	Technology
5.	Carbon stock quantification models for important fruit trees of Eastern India	Lead Developer S.K. Naik	Technology
6.	Modified drip fertigation technology for vegetable production in Eastern India	Lead Developer B.K. Jha	Technology
7.	Innovative Millet-Based Climate Resilient Cropping System for Eastern India	Lead Developer Rakesh Kumar	Technology
8.	Design and development of Solar operated hold on type paddy thresher	Lead Developer Santosh S mali	Technology
9.	Seed based technology delivery model through Farmers Producer Organization (FPO)	Lead Developer Dr. Anirban Mukherjee	Technology
10.	Policy measures for Tenant farmers of Bihar	Lead Developer Dr. Ujjwal Kumar	Technology
11.	Socioeconomic status scale for farmers of Bihar and Jharkhand	Lead Developer Dr. Virendra Kumar Yadav	Technology
12.	Developed a method for serological diagnosis (Indirect ELISA) of <i>Theileria annulata</i> using recombinant spm2 antigen	Lead Developer Dr. Pankaj Kumar	Process
13.	Identification of CCL8 and CXCL10 as early pregnancy biomarker in buffaloes:	Lead Developer Dr. Rajni Kumari	Technology