

One Day National Seminar on Efficient Phosphorus Management Organized by ICAR-IARI

10-7-2025

On July 10, 2025, the Division of Agronomy at ICAR-Indian Agricultural Research Institute (IARI) organized a one-day seminar focused on “Efficient Phosphorus Management in Predominant Cropping Systems.” The event aimed to address critical aspects of phosphorus (P) management to promote sustainable soil health and enhance agricultural productivity.

The seminar was graced by Dr. Ch. Srinivasa Rao, Director of ICAR-IARI, as the chief guest. In his address, Dr. Rao emphasized the need for a long-term strategy to develop precise recommendations for efficient phosphorus management. He particularly highlighted the importance of conducting field trials in red soils, where lower pH levels pose unique challenges to phosphorus availability and uptake. His insights underscored the necessity of tailored approaches to optimize phosphorus use in diverse agro ecological conditions. Also graced by Dr. P.S. Brahmanand, Project Director, Water Technology Centre; as guest of honour, Heads of Divisions; scientists from various disciplines; Co-Principal Investigators (CCPIs); project staff; postgraduate students; and researchers from OCP India Limited.

Dr. S.S. Rathore, the Principal Investigator of the project, presented an overview of the research conducted across various regions in India. His presentation highlighted the progress made in understanding phosphorus dynamics in different cropping systems. Research collaborators from multiple institutes also shared their findings from multilocation field trials, offering valuable insights into phosphorus management practices. The discussions led to several actionable suggestions to enhance research outcomes, focusing on improving the design and implementation of field trials to ensure robust and scalable results.

Mr. Sujit Sarkar, Country Head of OCP India, expressed gratitude to ICAR-IARI for their support in facilitating smooth execution of field trials across different locations. He acknowledged the institute’s pivotal role in advancing research on phosphorus management and fostering collaboration among stakeholders.

The seminar concluded with a strong recommendation to develop a long-term research strategy for efficient phosphorus management. The strategy aims to ensure sustainable soil health, improve nutrient use efficiency, and boost agricultural productivity, particularly in phosphorus-deficient soils. The event marked a significant step toward addressing critical challenges in phosphorus management and fostering collaborative research for sustainable agriculture.



Source: ICAR-Indian Agricultural Research Institute, New Delhi