

Press Release

ICAR-Sponsored Training Programme on Precision Agriculture Concludes at ICAR-IARI, New Delhi

New Delhi, January 25, 2026:

An ICAR-sponsored training programme titled "*Precision Agriculture Technologies: Environmental Responsibility and Optimizing Resource Use for Increased Farm Income*" was successfully conducted by the Division of Agronomy, ICAR-Indian Agricultural Research Institute, from 05 to 25 January 2026. The three-week intensive programme aimed to strengthen the technical capacity of scientists, teachers, and extension professionals in the rapidly evolving domain of precision agriculture, with a strong focus on sustainable resource use, environmental responsibility, and enhancement of farm income.

Emphasizing the need for wider dissemination and collaborative application of precision agriculture technologies, Dr. R. N. Padaria, Joint Director (Extension), ICAR-IARI, New Delhi, urged participants to translate the knowledge gained during the training into institutional seminars, field-level interventions, and multi-institutional research proposals. Addressing the valedictory session of the ICAR-sponsored training programme, he highlighted that precision agriculture holds immense potential in enhancing input-use efficiency, addressing climate change challenges, and improving farm profitability in a sustainable manner.

The programme was inaugurated on 05 January 2026 by the Joint Director (Extension), ICAR-IARI, New Delhi, who underlined the importance of precision agriculture technologies in addressing challenges related to climate variability, declining resource availability, and the need for sustainable intensification of Indian agriculture.

A total of 17 participants from different regions of the country actively took part in the programme. Over the course of the training, more than 55 theory and practical lectures were delivered covering a wide spectrum of precision agriculture topics. Eminent experts from premier institutions across the country shared their expertise on advanced precision farming tools and emerging digital agriculture solutions.

The participants received extensive hands-on training on cutting-edge technologies such as variable rate application technologies, hyperspectral image processing, GreenSeeker-based nitrogen management, drone-based imaging, agricultural robotics, and other digital and sensor-based precision agriculture tools. These practical sessions were designed to equip participants with real-time skills applicable in research, teaching, and extension domains.

The training programme also included a field visit to a progressive farmer's field at Dariapur Kalan village, where progressive farmer Shri Satyawan Sehrawat demonstrated the practical implementation of advanced agricultural practices. The visit provided valuable insights into real-world adoption and benefits of precision agriculture technologies at the farm level.

The programme was conducted under the leadership of Dr. Ramanjit Kaur, Principal Scientist, as Course Director, with Dr. S. L. Meena, Dr. Teekam Singh, and Dr. Pravin Kumar Upadhyay serving as Course Co-Directors. The Guest of Honour, Dr. Sanjay Singh Rathore, Head, Division of Agronomy, ICAR-IARI, highlighted that such specialized training programmes play a vital role in skill enhancement and can be effectively leveraged for future research planning, proposal development, and quality teaching in agricultural sciences.

The organizers expressed sincere gratitude to the Director, ICAR-IARI, for providing continuous guidance, encouragement, and institutional support, which ensured the successful organization of the training programme.

The programme concluded with a collective resolve by the participants to apply precision agriculture technologies in their respective professional domains for promoting sustainable, climate-resilient, and profitable agricultural systems in India.

