

Brief Report On the Guest Lecture

"Precision Nutrient Management for Higher Crops Productivity and Profitability" Organized by Department of Agriculture, Integral Institute of Agricultural Science and Technology, Integral University, Lucknow on 7th February, 2022

The Department of Agriculture, Integral Institute of Agricultural Science and Technology (IIAST) organized a 'Guest Lecture' on "**Precision Nutrient Management for Higher Crops Productivity and Profitability**" through virtual platform (Google meet) on 7th February, 2022. Dr. Pravin Kumar Upadhyay, Senior Scientist, Division of Agronomy, ICAR-IARI, New Delhi, India was the Guest Speaker. Dr. Upadhyay is an eminent Agronomist and has vast experience and knowledge in the area of Precision Nutrient management, Conservation Agriculture and Integrated Farming System Model. The event began with a brief introduction of the speaker by Dr. Hasnain, Assistant Professor, Department of Agriculture. Dr Saba Siddiqui, Head, Department of Agriculture welcomed Dr. Pravin Kumar Upadhyay and thanked him for sparing his valuable time.

Dr. Pravin Kumar Upadhyay gave an insight about the Precision nutrient management (PNM) and discussed the importance of PNM as it is one of the key components of the Precision agriculture and governs all the major issues of improving productivity, sustainability, profitability and climate change related turbulences. Soil test based nutrient management recommendations have served the purpose of improving food grain production but have not improved the nutrient use efficiency beyond a certain limit. Researchers have appropriately shifted to an approach of feeding the crops rather than feeding the soil. Assessing plant nutrient demand from plants is more efficient strategy as plant growth at any given time integrates with the effect of nutrient supply from all the sources and is thus a reliable indicator of its availability.

It was a very informative and interactive session where the participants learned about the Precision Nutrient management in detail. The lecture concluded with a short Question and Answer session and the queries were resolved by the speaker. This was followed by Vote of Thanks and the program ended successfully with active participation of students and faculty members.

Glimpse of Guest Lecture

