

## **Demonstration of IARI released seeds and other technologies among farmers in the Sonipat district, Haryana**

The ICAR- Indian Agricultural Research Institute (IARI), New Delhi, has been actively working to address the challenges of quality seed demand of our farming community. For that purpose, IARI released improved high-yielding basmati rice varieties which are resistant to various diseases and also short-duration in nature. A team of four scientists from ICAR-IARI, New Delhi, visited five villages, namely Jahari, Tharu, Shahzadpur, Sandel Kila, and Sandel Khurd of Sonipat district of Haryana on 15<sup>th</sup> May, 2025. The team has demonstrated the following varieties of rice in farmers' fields:

- Pusa Basmati 1401
- Pusa Basmati 1847 (Improved variety of Pusa Basmati 1509. Resistant to bacterial blight and blast. Maturity is 125 days)
- Pusa Basmati 1692 (Early maturing basmati rice variety (110-115 days), Semi dwarf, non-lodging and non-shattering habit.)
- Pusa Basmati 1885 (Improved variety of PB1121, resistant to bacterial blight and blast)
- Pusa Basmati 1979 (Direct seeded rice, Resistant to Imazethapyr, broad broad-spectrum herbicide to control weeds.)
- Pusa Basmati 1985 (Direct seeded rice, Resistant to Imazethapyr, broad broad-spectrum herbicide to control weeds.)

The team also demonstrated some bio fertilizers like Pusa cyanonutricon, Pusa mycorrhiza (Applicable for rice, wheat, vegetables, flowers, etc.) and Pusa cyanofort etc. Dr. Pranita Jaiswal, Principal Scientist, briefed about guidelines and the importance of bio-fertilisers to farmers. Dr. Sukanya Barua delivered a talk about the importance of practising a kitchen garden for enhancing nutrition security. The team has also distributed kitchen garden kits to 25 farmers. Dr. Rajeev Kumar, Scientist, Division of Agricultural Engineering, responded to queries related to machinery in the farm field and also actively participated in the demonstration process. Dr. Kranti K.V.V.S., Scientist, AICRP on Nematodes, discussed about methods of prevention and control of nematodes in rice fields.



**Fig: Glimpses of demonstration and input distribution Programme**