

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

LOK SABHA

UNSTARRED QUESTION NO. 408
TO BE ANSWERED ON 22ND July, 2025

NATIONAL PEST SURVEILLANCE SYSTEM

408. SHRI RAMASAHAYAM RAGHURAM REDDY :

Will the Minister of Agriculture and Farmers Welfare कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the expected impact of the newly launched National Pest Surveillance System (NPSS) on reducing farmers' dependence on pesticide retailers, and how it will benefit farmers;
- (b) the manner in which the system will ensure accurate diagnosis and effective treatment of crop diseases to increase agricultural productivity and preserve soil health, particularly for farmers of Telangana;
- (c) the specific measures that are being implemented to educate and train farmers in Telangana on using the AI-based NPSS platform for pest control and crop management; and
- (d) whether there are any plans to develop region-specific resources and support in local languages to encourage widespread adoption of the platform in Telangana and if so, the details thereof?

ANSWER

THE MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण राज्यमंत्री (SHRI RAMNATH THAKUR)

(a) to (d): The National Pest Surveillance System (NPSS) has been launched on 15th August, 2024 by the Hon'ble Union Minister of Agriculture and Farmers Welfare to enhance the surveillance and management of pest diseases across the country. The system utilizes latest digital technologies such as Artificial Intelligence and Machine Learning (AI and ML) for identification of pests and diseases and provide real time crop protection advisory to the farmers in all the States including State of Telangana. It includes a user-friendly mobile app and web portal for identification of pests and diseases in 65 crops and pest management advisories are being issued for 31 major crops namely Cotton, Rice, Maize, Chilli, Wheat, Soybean, Sugarcane, Pigeon pea, Black gram, Apple, Grapes, Banana, Pomegranate, Tomato, Brinjal , Bitter gourd, Bottle gourd, Cabbage, Cauliflower, Cucumber, Ginger, Kinnow, Mango, Okra, Onion, Orange, Papaya, Potato, Sapota, Sweet Orange, Cashew nut to the farmers. So far, 10713 pest management advisories have been issued through NPSS for the benefit of farmers in five languages namely English, Hindi, Marathi, Punjabi and Odiya.

Ministry of Agriculture and Farmers Welfare through its Central Integrated Pest Management Centers (CIPMCs), Krishi Vigyan Kendras (KVKs) and State Agriculture Departments conduct various training programs and workshops to create awareness among farmers, state agriculture department officials and extension workers for use of NPSS for pest identification and disease management including use of pesticides.

Further, Central Integrated Pest Management Center (CIPMC), Hyderabad has conducted 32 training programmes for use of NPSS in all the districts of state of Telangana and booklet on NPSS in Local language (Telugu) was distributed to the farmers. Video Conference programme on NPSS named “Raithu Nestham” was organized by State Agriculture Department, Govt. of Telangana in which farmers and agriculture officers were present and 1,034 Raithu Vedikas participated in the NPSS training programme.
