

Training Program on 'Enhancing Efficiency Through Optimum Spraying Techniques for Effective Pest and Disease Control'

10.12.2025 to 30.12.2025 (21 days)



Course Director

Dr. Vidhu Kampurath P, JD(PHE)

Course Coordinator

Er. Sk. Haneefa Begum, ASO(PHE)

National Institute of Plant Health Management (NIPHM), an Autonomous Organization under DA&FW, Ministry of Agriculture and Farmers Welfare, Govt. of India aims to develop a committed and competent cadre of professionals to promote sustainable Plant Health Management (PHM) in India. The program on '*Enhancing Efficiency Through Optimum Spraying Techniques for Effective Pest and Disease Control*' covers key aspects such as principles of pesticide application, including high-volume, low-volume, and ultra-low-volume spraying techniques, precision spraying, and drone-based application systems, pest, disease diagnosis, supported by online diagnostic tools, modern advancements in digital agriculture, remote sensing (RS), GIS applications, and sensor-based plant protection systems. By the end of the training, participants will be empowered to apply safe, efficient, and modern plant protection techniques using advanced spraying, diagnostic, and digital tools. They will be capable of promoting sustainable, eco-friendly crop health management in their respective fields.



राष्ट्रीय वनस्पति स्वास्थ्य प्रबंधन संस्थान

कृषि एवं किसान कल्याण विभाग, कृषि एवं किसान कल्याण मंत्रालय - भारत सरकार

NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT

Department of Agriculture & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, Government of India



रा व स्वा प्र सं
NIPHM

Rajendranagar, Hyderabad- 500 030, Telangana, India

Tele-Fax: +91 40 24015043 Email: jdenggniphm-ap@nic.in Web: <http://niphm.gov.in>

Participants will gain exposure to:

- ✓ Fundamentals of Plant Health & Pesticide Application
- ✓ Expertise in Manual, Power, LV/ULV & Precision Spraying
- ✓ Advanced Plant Protection Technologies
- ✓ Drone spraying
- ✓ Biological Control & Eco-friendly Approaches
- ✓ Pest, Disease Diagnosis
- ✓ Apply digital, precision, and drone-based technologies in real field conditions
- ✓ Visits to enhance exposure to modern research, farm mechanization, and sustainable farming models
- ✓ Skills for enhancing decision-making skills for pest and disease management

The program will be conducted through lectures, demonstrations, hands-on exercises and field visits.

Eligibility: Extension Officers, Technical/ Scientific Officers and above of State Department of Agriculture / Horticulture, DPPQ&S, Scientists of ICAR, SAUs and KVKs, private participants related to the subject with minimum graduate in Agricultural sciences.

Fee details: (inclusive GST)



For Govt. officials	For Non Govt. / other Ministry officials
Training fee: Nil Accommodation: Free (Hostel 1: double occupancy) Boarding: Rs. 305/day	Training fee: Rs. 1250/day Accommodation: Hostel 1: Double occupancy Rs. 500/day or Single occupancy: Rs. 1000/ day Boarding: Rs. 305/day

How to apply:

The participants can apply online on NIPHM website:

Training ID: 1192 & Course Code: PHE152

Link for registration: <http://14.139.92.166/otr/register.aspx>

Email: jdenggniphm2-ap@nic.in / asopheniphm2-ap@nic.in

For details please contact: Dr. Vidhu Kampurath P +919652216481



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