



# NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT

(Department of Agriculture & Cooperation)



**Programmes  
Open for  
Industry and  
Civil Society  
(Payment basis)**

उद्योग एवं  
नागरिक संगठनों  
हेतु कार्यक्रम  
(भुगतान आधारित)

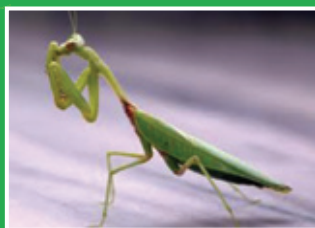
**Capacity Building**



**Pest Problem**



**Nature's Solution**



Growth in agricultural production, which is dependent on several factors such as weather conditions, soil fertility, irrigation etc, is further subject to debilitating influence of pests and nutritional imbalances. It is estimated that in India, crop losses due to pests will be in the range of 10 to 30%, which may be exacerbated due to the looming threat of climate change. Intensive use of ecosystems to enhance productivity can erode ecosystems and cause disruption to flow of ecosystem services, which in turn will affect plant health and biosecurity. Therefore, there is an urgent need to update the scientific knowledge of the stakeholders in agricultural sector, more so in the light of emerging challenges.

## About NIPHM

Central Plant Protection Training Institute (CPPTI) was established in 1966 and later renamed as National Plant Protection Training Institute (NPPTI), for Human Resource Development in plant protection technology. From mid 1980s, the emphasis shifted to crop-oriented IPM. The institute was identified as a Regional Training Centre for Plant Protection by the FAO of the United Nations and as a Centre of Excellence for Training in Plant Protection Technology under the World Bank aided NAEP-III. NPPTI was converted into an autonomous body viz., National Institute of Plant Health Management, (NIPHM) in the year 2008 to meet the emerging training needs in environmentally sustainable plant health management with focus on biosecurity management and to function as a policy support centre.

NIPHM has 4 major divisions viz., a) Plant Health Management, b) Plant Quarantine and Policy, c) Pesticide Management and d) ICT. NIPHM also specializes in Plant Health Engineering and Rodent Pest Management.

## Aim of the Training Programmes

Develop a committed and competent cadre of professionals to promote sustainable plant health and biosecurity management in India & her neighbourhood.

## A BRIEF OUTLINE OF THE PROGRAMMES

### Post Graduate Diploma in Plant Health Management (PGDPHM) – 1 yr Programme

The programme develops expertise in plant health management, the science and practice of understanding and overcoming the biotic and abiotic factors that limit plants from achieving their full genetic potential as crops. The programme also imparts skills to address the emerging challenges in Biosecurity and Pesticide Management.

### Agro-Ecosystem analysis (AESAs) & Ecological Engineering

Globally IPM practices underwent several improvements and over the years AESA has gained universal recognition and acceptance. AESA takes into account the intricate interdependence among various components of an ecosystem. AESA also enlists farmers participation in decision making, based on experiential learning through Farmers Field Schools. The programmes also provide insights to the emerging field of ecological engineering for pest management.

### **Biosecurity & Incursion Management**

Significance of Pest Risk Analysis, Pest Surveillance & diagnostics in biosecurity management and threats of invasive alien species in the context of globalization are highlighted, besides exposure to SPS Measures and the relevant International standards.

### **Biocontrol Agents & Biopesticides**

Imparts skills in Mass Production Techniques for commercially viable biocontrol agents and Biopesticides and quality assessment and quality management of microbial biopesticides.

### **Pesticide Management**

Aims at developing expertise in pesticide formulation/residue analysis using conventional as well as modern instrumental methods of analysis. The trainees will also be exposed to good laboratory practices and NABL accreditation procedure.

### **Vertebrate/Rodent Pest Management**

Provides in depth analysis of integrated rodent pest management (RPM) that is woven around the ecology and ethology of rodents in diverse agroecosystems. Some programmes cater to the requirement of RPM in urban areas, to prevent spread of dreaded Zoonotic diseases such as plague, leptospirosis, scrubtyphus etc.

### **Admission to the programmes**

- Officials from different Industry/NGOs/ Private Sector can attend. The nominations should reach the Registrar well in advance.
- Foreign NGOs may sponsor their officials by sending the nominations to the Director General through the Ministry of External Affairs, Government of India.

# TRAINING SCHEDULE FOR 2012– 2013 (प्रशिक्षण अनुसूचि: 2012 -2013)

**Programmes Open for Industry and Civil Society (Payment basis)**  
**उद्योग एवं नागरिक संगठनों हेतु कार्यक्रम (भुगतान आधारित)**

## Pesticide Management Division

| S.No | Course Title                                                | Duration | From                                   | To                                     |
|------|-------------------------------------------------------------|----------|----------------------------------------|----------------------------------------|
| 1.   | Pesticide Formulation Analysis                              | 84 days  | 19.06.2012<br>03.01.2013               | 10.09.2012<br>27.03.2013               |
| 2.   | Pesticide Residue Analysis                                  | 30 days  | 19.11.2012<br>01.04.2013               | 18.12.2012<br>30.04.2013               |
| 3.   | Instrumental Methods of Pesticide Analysis                  | 21 days  | 22.08.2012<br>07.03.2013               | 11.09.2012<br>27.03.2013               |
| 4.   | Refresher course on Pesticide Formulation Analysis ( PFA)   | 21 days  | 11.10.2012<br>09.04.2013               | 31.10.2012<br>29.04.2013               |
| 5.   | Advances in Pesticide Residue Analysis(PRA)                 | 8 days   | 05.11.2012<br>02.01.2013               | 12.11.2012<br>09.01.2013               |
| 6.   | Organization & Management of Pesticide Testing Laboratories | 2 days   | 02.07.2012<br>24.09.2012<br>08.10.2012 | 03.07.2012<br>25.09.2012<br>09.10.2012 |

## Plant Health Management Division

| S.No | Course Title                                                                                             | Duration | From                                                               | To                                                                 |
|------|----------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------|--------------------------------------------------------------------|
| 1.   | Production Protocol for Bioagents and Quality Assessment & Quality Management of Microbial Biopesticides | 21 days  | 03.08.2012<br>10.12.2012<br>01.02.2013<br>24.05.2013               | 23.08.2012<br>30.12.2012<br>21.02.2013<br>13.06.2013               |
| 2.   | Certificate course on Urban Integrated Pest Management                                                   | 15 days  | 02.07.2012<br>11.10.2012<br>03.12.2012<br>01.02.2013<br>01.04.2013 | 16.07.2012<br>25.10.2012<br>17.12.2012<br>15.02.2013<br>15.04.2013 |
| 3.   | Production Protocol for Bioagents                                                                        | 11 days  | 03.08.2012<br>10.12.2012<br>01.02.2013<br>24.05.2013               | 13.08.2012<br>20.12.2012<br>11.02.2013<br>03.06.2013               |
| 4.   | Quality Assessment & Quality Management of Microbial Biopesticides                                       | 10 days  | 14.08.2012<br>21.12.2012<br>12.02.2013<br>04.06.2013               | 23.08.2012<br>30.12.2012<br>21.02.2013<br>13.06.2013               |

|    |                                                              |        |                                        |                                        |
|----|--------------------------------------------------------------|--------|----------------------------------------|----------------------------------------|
| 5. | Plant Health Management in different Crops for Tobacco Board | 7 days | 28.08.2012<br>21.09.2012<br>09.10.2012 | 03.09.2012<br>27.09.2012<br>15.10.2012 |
| 6. | Integrated Rodent Pest Management (IRPM)                     | 7 days | 04.10.2012                             | 10.10.2012                             |
| 7. | Urban Integrated Rodent Pest Management                      | 7 days | 14.05.2013<br>18.06.2013               | 20.05.2013<br>24.06.2013               |
| 8. | Ecological Engineering for Pest Management                   | 5 days | 27.08.2012<br>29.10.2012               | 31.08.2012<br>02.11.2012               |

### Plant Quarantine & Policy Division

| S.No | Course Title                                                                                                             | Duration | From                                                 | To                                                   |
|------|--------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------|------------------------------------------------------|
| 1.   | Stored Grain Pests and Phytosanitary Treatments (Methyl bromide & Phosphine fumigation)                                  | 21 days  | 22.01.2013                                           | 11.02.2013                                           |
| 2.   | Timber and solid Wood Packing Material (SWPM) pests and Phytosanitary Treatments (Methyl bromide & Phosphine fumigation) | 21 days  | 22.01.2013                                           | 11.02.2013                                           |
| 3.   | Phytosanitary Treatments (Methyl bromide & Phosphine fumigation)                                                         | 15 days  | 29.10.2012<br>28.01.2013                             | 12.11.2012<br>11.02.2013                             |
| 4.   | Plant Quarantine Procedures for Importers & Exporters                                                                    | 5 days   | 27.08.2012<br>19.11.2012<br>11.03.2013               | 31.08.2012<br>23.11.2012<br>16.03.2013               |
| 5.   | Seed Health Testing                                                                                                      | 5 days   | 10.09.2012                                           | 14.09.2012                                           |
| 6.   | Forced Hot Air Treatment (FHAT)                                                                                          | 5 days   | 02.07.2012<br>06.09.2012<br>15.10.2012<br>01.04.2013 | 06.07.2012<br>10.09.2012<br>19.10.2012<br>05.04.2013 |
| 7.   | Stored Grain Pests – Detection & Identification                                                                          | 5 days   | 21.01.2013                                           | 25.01.2013                                           |
| 8.   | Timber and Solid Wood Packing Material (SWPM) pests – Detection & Identification                                         | 5 days   | 21.01.2013                                           | 25.01.2013                                           |
| 9.   | Pest Risk Analysis                                                                                                       | 3 days   | 23.07.2012<br>03.12.2012                             | 25.07.2012<br>05.12.2012                             |
| 10.  | Refresher course on Phosphine fumigation                                                                                 | 3 days   | 03.10.2012<br>26.12.2012                             | 05.10.2012<br>28.12.2012                             |





## Facilities

- Accommodation** : Available within the campus.
- Library** : Enriched with collection of journals and books of national & international repute.
- Audio-Visual-Aids** : The lecture rooms are equipped with modern audio-visual facilities.
- ICT** : Internet facility is provided to the participants.
- Medical Assistance** : A senior Medical Consultant visits the Hostel four times in a week.

## How to Reach NIPHM

The Institute can be reached by APSRTC bus from Secunderabad Rly Stn by Bus No 5/92, 7/94, 8/94 directly or by Nos 5, 5K, 5M or 49M to Mehdiapatnam and from there by 92,92R,92S,92N,92E or 251 to NIPHM.

One can reach the Institute from Hyderabad Rly station by bus No. 92R (frequency is less). Bus No. 94R,94H, 94K or 194H from Koti ply via NIPHM.

Hyderabad International Airport is located about 15kms from NIPHM.

## Transport Arrangement

Transport arrangement will be made from Airport & Railway Station, if travel plan is furnished well in advance.

## Route Map

Visit the Institute Website : <http://niphm.gov.in>

## Hyderabad Weather

Hyderabad enjoys a fairly moderate weather throughout the year. During summer months(March–May) the average temperatures hover around 39°C. The rainy season(June–September) is fairly long and receives good amount of rainfall. During winter(October–February)minimum temperatures will be in the range of 6°C to 14°C.

## Contact Details

### Registrar

### National Institute of Plant Health Management(NIPHM),

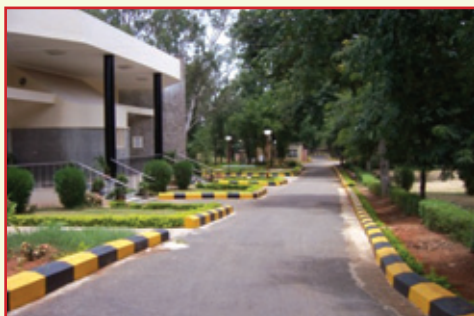
Rajendranagar, Hyderabad 500 030

Telephones : +91-40-24015043, +91-40-24015374, +91-40-24015378

Tele-fax : +91-40-24015346 / 24015053,

E-Mail : [niphm@nic.in](mailto:niphm@nic.in) (or) [infoniphm@nic.in](mailto:infoniphm@nic.in) (or) [registrarniphm@nic.in](mailto:registrarniphm@nic.in)

Visit us at : <http://niphm.gov.in>



## **NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT**

(An autonomous Organisation under DAC, Ministry of Agriculture, Govt. of India)

(Formerly National Plant Protection Training Institute)

Rajendranagar, Hyderabad – 500 030, Andhra Pradesh, INDIA

Phone No. +91-40-24015374, Tele-fax: +91-40-24015346 / 24015053