

राष्ट्रीय वनस्पति स्वास्थ्य प्रबंधन संस्थान

NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT

Department of Agriculture & Cooperation, Ministry of Agriculture, Government of India

Rajendranagar, Hyderabad - 500 030, Andhra Pradesh, INDIA

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



Training Schedule

2013-14

International Participants

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 the flow of ecosystem services, which in-turn will affect plant health and biosecurity. 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 (later renamed as National Plant Protection Training Institute (NPPTI)), for Human Resource Development in plant protection technology. The institute was identified as a Regional Training Centre for Plant Protection by the FAO 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 entered into collaboration with USDA/USAID to strengthen the programmes.

NIPHM has 4 major divisions viz., a) Plant Health Management, b) Plant Biosecurity, c) Pesticide Management and d) ICT. NIPHM also specializes in Plant Health Engineering and Vertebrate 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.

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 (AESA) & 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, particularly the dynamics of pests and defenders. 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.

Plant 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 in the programme, besides exposure to SPS Measures and the relevant International standards.

Biocontrol Agents & Biopesticides

The programme imparts skills in Mass Production Techniques for commercially viable biocontrol agents and Biopesticides and quality assessment and quality management of microbial biopesticides. The trainees will also be equipped to train farmers in farm level biocontrol agent production.

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 requirements.

Vertebrate/Rodent Pest Management

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

Plant Health Engineering

Focuses on appropriate engineering systems for pesticide application, calibration of the appliances for proper delivery regime, safe, judicious and efficacious use of pesticides. The significance of droplet size and drift in enhancing bioefficacy will be unravelled.

Integrated Soil, Nutrient and Weed Management & Rhizosphere Engineering

Emphasizes the need for synergistic use of complementary management practices to promote soil fertility & plant health through rhizosphere engineering, besides integrated weed management.

Courses for Directorate of PPQ&S

Induction training programme for new recruits and transferees and refresher courses for the Officers in biosecurity and plant health management.

Training programmes for Private/Public Sector/NGOs

Programmes in AESA based plant health management, phytosanitary treatment (*M.Br./AI P Fumigation*), production protocol for Biocontrol agents and biopesticides, urban IPM, Pesticide Formulation and Residue Analysis, Instrumentation in Pesticide Analysis etc. are offered on payment basis.

Admission to the programmes

Fee/Charges	Training Duration						
	52 weeks	80-90 days	60 days	21-30 days	8-12 days	5 days	2 days
Course Fee*	\$ 5000	\$ 2500	\$ 1500	\$ 1000	\$ 300	\$ 200	\$ 100
Boarding & Lodging Charges	\$ 7500	\$ 7500	\$ 55 (single occupancy) & \$ 40 (double occupancy) per day				

* Additional Laboratory fee for courses in Pesticide Management

I. \$ 500 for 80 days duration

II. \$ 150 for 21 days duration

Admission to the programmes

- Foreign Governments may sponsor their officials by sending the nominations to the Director General through the Ministry of External Affairs, Government of India.

TRAINING SCHEDULE FOR 2013-2014 (प्रशिक्षण अनुसूचि)

S. No	Title of the Programme	Duration	From	To
1.	Post Graduate Diploma Programme in Plant Health Management (PGDPHM)	12 months	July 2013	June 2014
2.	Diploma in Plant Biosecurity, Pesticide Management, Plant Health Management etc.	06 Months	July, 2013 Jan. 2014	Dec. 2013 June 2014

Pesticide Management (पीडकनाशि प्रबंधन)

S. No	Title of the Programme	Duration (Days)	From	To
1.	Pesticide Formulation Analysis	30	18.11.2013	17.12.2013
2.	Pesticide Residue Analysis	30	18.11.2013 28.04.2014	17.12.2013 27.05.2014
3.	Advances in Pesticide Residue Analysis (PRA)	08	21.01.2014 23.06.2014	28.01.2014 30.06.2014
4.	International Code of Conduct on Pesticide Management & Pesticide Lifecycle Management with reference to Safety	08	26.08.2013 02.05.2014	02.09.2013 09.05.2014
5.	Training on Aflatoxin Analysis	08	23.12.2013 10.06.2014	30.12.2013 17.06.2014
6.	Sampling of fruits, vegetables and other items for Pesticide Residue Analysis & Calibration of Laboratory Equipment – Residue Analysis / PRA.	08	17.10.2013 08.04.2014	24.10.2013 15.04.2014

Plant Health Management (वनस्पति स्वास्थ्य प्रबंधन)

S. No	Title of the Programme	Duration (Days)	From	To
1.	Crop specific AESA & Ecological Engineering for Pest Management in Rice	90	04.12.2013	03.03.2014
2.	Bio-intensive, AESA and EE for pest management in cotton / pulses/ vegetables	36	12.02.2014	12.03.2014
3.	Crop specific AESA & Ecological Engineering for Pest Management in Vegetables	30	25.07.2013 12.02.2014	23.08.2013 13.03.2014
4.	Crop specific AESA & Ecological Engineering for Pest Management in Vegetables / Cotton/ Pulses/ Oil seeds	30	04.09.2013	03.10.2013
5.	AESA & Ecological Engineering for Pest Management	21	04.09.2013 04.12.2013	24.09.2013 24.12.2013
6.	Fundamentals of Plant Health Management for Plant Health Doctors	21	04.04.2014	24.04.2014
7.	Production Protocol for Biocontrol Agents and Quality Analysis & Quality Management of Microbial Biopesticides	21	05.11.2013 04.03.2014 04.04.2014	25.11.2013 24.03.2014 12.06.2014
8.	Production Protocol for Biocontrol Agents	11	05.11.2013 04.03.2014 23.05.2014	15.11.2013 14.03.2014 02.06.2014
9.	Quality Analysis and Quality Management of Microbial Biopesticides	10	16.11.2013 15.03.2014 03.06.2014	25.11.2013 24.03.2014 12.06.2014

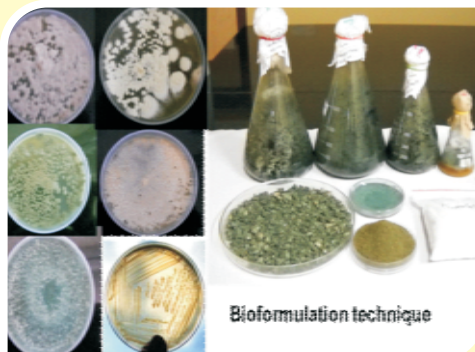
TRAINING SCHEDULE FOR 2013-2014 (प्रशिक्षण अनुसूचि)

Plant Health Management (वनस्पति स्वास्थ्य प्रबंधन)

S. No	Title of the Programme	Duration (Days)	From	To
10.	Good Agricultural Practices	10	21.10.2013 20.03.2014	30.10.2013 29.03.2014
11.	Certificate Course on Urban Integrated Pest Management	15	17-10-2013 09-06-2014	31-10-2013 23-06-2014
12.	Integrated Rodent Pest management in Urban Environs	05	18-10-2013 10-06-2014	22-10-2013 14-06-2014

Plant Biosecurity (वनस्पति जैवसुरक्षा)

S. No	Title of the Programme	Duration (Days)	From	To
1.	Biosecurity and Incursion Management	21	10-12-2013 11-02-2014 07-04-2014	30-12-2013 03-03-2014 27-04-2014
2.	Quarantine Pests – Detection and Identification	21	11-09-2013 08-05-2014	01-10-2013 28-05-2014
3.	Stored Grain Pests –Detection & Identification & Phytosanitary Treatment (MBR & ALP)	21	11-11-2013 11-03-2014	02-12-2013 31-03-2014
4.	Harmonisation of Phytosanitary Procedures for SAARC Countries	15	04-12-2013	18-12-2013
5.	Phytosanitary Treatments- Methyl Bromide & Phosphine Fumigation	15	18-11-2013 17-03-2014	02-12-2013 31-03-2014
6.	Pest Surveillance	08	12-08-2013 03-10-2013 03-01-2014	19-08-2013 10-10-2013 10-01-2014
7.	Quarantine Pathogens – Seed Health Testing Methods and Molecular Diagnostic Techniques	08	17-09-2013 15-05-2014	24-09-2013 22-05-2014
8.	Pest Risk Analysis	07	16-12-2013 17-02-2014 14-04-2014	21-12-2013 22-02-2014 19-04-2014
9.	Quarantine Insects – Detection and Identification	07	25-09-2013 22-05-2014	01-10-2013 28-05-2014
10.	Fundamentals of Plant Biosecurity	06	10-12-2013 11-02-2014 07-04-2014	15-12-2013 16-02-2014 12-04-2014
11.	Emergency Preparedness and Incursion Management	06	23-12-2013 24-02-2014 21-04-2014	30-12-2013 03-03-2014 26-04-2014
12.	Stored Grain Pests –Detection & Identification	05	11-11-2013 11-03-2014	15-11-2013 15-03-2014
13.	Forced Hot Air Treatment	05	25-11-2013 28-04-2014	29-11-2013 02-05-2014
14.	Timber Log & SWPM Pests- Detection & Identification	05	11-11-2013 11-03-2014	15-11-2013 15-03-2014



Facilities

- Accommodation : Air Conditioned Rooms are available in the hostel.
- Library : Enriched with collection of journals and books of national & international repute.
- Audio-Visual-Aids : The lecture rooms are equipped with modern audiovisual facilities.
- ICT : Internet facility is provided to the participants
- Medical Assistance : A senior Medical Consultant visits the Hostel daily.

How to Reach NIPHM

Hyderabad International Airport is located about 15kms from NIPHM.

Transport Arrangement

Transport arrangement will be made 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

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