



NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT

(Department of Agriculture & Cooperation)



Training Schedule 2012-2013

International Participants

Capacity Building



Nature's Solution

Pest Problem



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 (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. 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.

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 Weed Management

Emphasizes the need for synergistic use of complementary control management practices and develops skills in proper identification of weeds.

Course fee and Lodging & Boarding charges

Fee/Charges	Training duration							
	52 weeks	80-90 days	60 days	30 days	15-21 days	8-12 days	5 days	2 days
Course fee*	\$ 5000	\$ 3000	\$ 2250	\$ 1750	\$ 1250	\$ 600	\$ 300	\$ 150
Boarding & Lodging charges	\$ 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 2012– 2013

Proposed International Training Programmes (प्रस्तावित अन्तर्राष्ट्रीय प्रशिक्षण कार्यक्रम)

S.No	Course Title	Duration	From	To
1.	Post Graduate Diploma in Plant Health Management	12 months	July 2012	Jun 2013
<u>Pesticide Management Division</u>				
1.	Pesticide Formulation Analysis	84 Days	19.06.2012 03.01.2013 18.06.2013	10.09.2012 27.03.2013 09.09.2013
2.	Pesticide Residue Analysis	30 Days	19.11.2012 01.04.2013	18.12.2012 30.04.2013
3.	Conventional Methods in Pesticide Analysis	21 Days	01.08.2012 14.02.2013	21.08.2012 06.03.2013
4.	Refresher course on Pesticide Formulation Analysis (PFA)	21 Days	09.04.2013	29.04.2013
5.	Advances in Pesticide Residue Analysis (PRA)	8 Days	05.11.2012 02.01.2013	12.11.2012 09.01.2013
<u>Plant Health Management Division</u>				
1.	Crop specific AESA- Rice	90 Days	06.12.2012	05.03.2013
2.	Crop specific AESA-Pulses and Oil seeds	60 Days	26.07.2012	23.09.2012
3.	Crop specific AESA-Vegetables	30 Days	06.09.2012 01.11.2012	05.10.2012 30.11.2012
4.	Agro Ecosystem Analysis (AESA) & Ecological Engineering for Pest Management	21 Days	26.07.2012 06.09.2012 01.11.2012 06.12.2012	15.08.2012 26.09.2012 21.11.2012 26.12.2012
5.	Production Protocol for Bioagents and Quality Assessment & Quality Management of Microbial Biopesticides	21 days	03.08.2012 10.12.2012 01.02.2013 24.05.2013	23.08.2012 30.12.2012 21.02.2013 13.06.2013

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S.No	Course Title	Duration	From	To
6.	Certificate course on Urban Integrated Pest Management	15 days	11.10.2012 03.12.2012	25.10.2012 17.12.2012
7.	Production Protocol for Bioagents	11 days	03.08.2012 10.12.2012 01.02.2013 24.05.2013	13.08.2012 20.12.2012 11.02.2013 03.06.2013
8.	Quality Assessment & Quality Management of Microbial Biopesticides	10 days	14.08.2012 21.12.2012 12.02.2013 04.06.2013	23.08.2012 30.12.2012 21.02.2013 13.06.2013
9.	Pesticide Application Technology	8 days	22.10.2012 13.06.2013	29.10.2012 20.06.2013

Plant Quarantine & Policy Division

1.	Biosecurity & Incursion Management	21 days	24.07.2012	13.08.2012
2.	Quarantine Pest: Detection and Identification	21 days	04.09.2012	24.09.2012
3.	Stored Grain Pests and Phytosanitary Treatments (Methyl bromide & Phosphine fumigation)	21 days	22.01.2013	11.02.2013
4.	Timber and Solid Wood Packing Material (SWPM) pests and Phytosanitary Treatments (Methyl bromide & Phosphine fumigation)	21 days	22.01.2013	11.02.2013
5.	Harmonization of Phytosanitary procedures for SAARC countries (incl. Molecular diagnostics)	21 days	13.02.2013	05.03.2013
6.	Phytosanitary Treatments (Methyl bromide & Phosphine fumigation)	15 days	29.10.2012 28.01.2013	12.11.2012 11.02.2013
7.	Pest Surveillance	8 days	20.12.2012 04.02.2013	27.12.2012 11.02.2013
8.	IBSA – PRA workshop	3 days	10.10.2012	12.10.2012



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

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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)

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