

Training Program on “Detection and Diagnosis of Pests, Pest Risk Analysis and Phytosanitary Treatments”	
Course Synopsis	Training Program on “ Detection and Diagnosis of Pests, Pest Risk Analysis and Phytosanitary Treatments ” will impart skills in detection and diagnosis of pests of quarantine significance by employing appropriate methods, Pest Risk Analysis and hands-on skills on various Phytosanitary measures specially fumigation and heat treatment.
Course Duration	two weeks
Justification/ Rationale	NIPHM is a National level premier institute under the administrative control of the Department of Agriculture & Cooperation, Ministry of Agriculture & Farmer’s welfare, Government of India. NIPHM is promoting environmentally sustainable Plant Health Management practices in diverse and changing agro-climatic conditions, Plant Biosecurity and SPS Measures and Pesticide Management through capacity building programmes, besides providing inputs for policy formulation on Plant Health Management, Plant Biosecurity, Invasive Alien Species, market access, Pesticide Management etc. at state and national level. NIPHM has international level, well equipped laboratories where participants can be trained through hands-on experience. NIPHM conducts capacity building training programs for south Asian and other countries based upon the requirements. Recently, NIPHM conducted two training program for Uzbekistan officials under ITEC - MEA collaboration.
Aims & Objective of the course	To impart knowledge on - <ul style="list-style-type: none"> • Knowledge on International and national regulations / obligations to prevent entry, establishment and spread of pests • Basic understanding of PRA as a tool to identify pests of concern • Detection and Diagnosis of quarantine pests by employing • Seed-health testing protocols • Molecular diagnosis • Identification of insect pests, nematodes, pathogens & weed seeds • Principles of fumigation and Fumigation procedure (MBr & AIP) and ISPM-15 and Heat treatment
Expected Outcome of the course	During the training course the participants will be able to: <ul style="list-style-type: none"> • Identify the quarantine pests of concern using various detection and diagnostic protocols to identify quarantine pests • Analyse various mitigation options in the event of pest interception • Carry out Pest Risk Analysis for commodities moving in international trade • Carry out PRA for recently introduced pests to evaluate eradication / management options • Follow procedures as laid down in ISPM’s

	<ul style="list-style-type: none">• Take up fumigation activities based on sound scientific knowledge
Eligibility conditions of the participant	Fumigation Operators, Graduate, Post Graduate and PhD Agriculture, Biology and Plant Protection Graduate and Post Graduates officials