

Training on “Sustainable soil management practices to Increase Crop Productivity”	
Course Synopsis	Training on “Sustainable soil management practices to Increase Crop Productivity” will provide insights and hands-on skills in the area of sustainable management practices to boost the soil fertility and crop productivity It includes various aspects like significance of integrated nutrient management in sustainable agriculture, Major challenges of INM in sustainable agriculture, organic farming, Vermicomposting its scope in nutrient management, Biofertilizers - Types & their scope, production and application, impact of indiscriminate use of fertilizers soil properties, Rhizospheric Engineering for soil health management, on-farm production of biofertilizers etc.
Course Duration	05 days
Justification/ Rationale	<p>NIPHM is a National level premier institute under the administrative control of the Department of Agriculture, 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 through capacity building programmes, besides providing inputs for policy formulation on Plant Health Management at state and national level. NIPHM has international level, well equipped laboratories where participants can be trained through hands-on experience.</p> <p>NIPHM conducts capacity building training programs for south Asian and other countries based upon the requirements.</p>
Aims & Objective of the course	<p>To impart knowledge and skills on</p> <ul style="list-style-type: none"> • Integrated soil nutrient management for sustainable farming • To impart knowledge on organic farming practices and bio-input usage(biofertilizers/organic manures) • Chemical fertilizers impact on soil properties • Rhizosphere Engineering
Expected Outcome of the course	<p>During the training course the participants will acquire skill /hands-on practices in the following areas:</p> <ul style="list-style-type: none"> • INM for sustainable farming • Challenges in INM

	<ul style="list-style-type: none"> • Vermitechnology for soil health management • Biofertilizers for soil health management • Biofertilizers production and application methods. • Role of liquid organic preparations on soil health • To impart knowledge on farm level production of different biofertilizers. • Rhizopsheric Engineering for soil health and quality. • Strategies for improving the nutrient use efficiency
Eligibility conditions of the participants	Graduate, Post Graduate and PhD
Target Participants	Agriculture and Horticulture Department officials, Agriculture Ministries, Extension officials