



Arunachal Pradesh Farmers Participated in Training Programme in IHT

The Arunachal Pradesh state government's futuristic approach helps farmers of the state to adopt the modern technologies for harnessing higher profits. Taking it forward Arunachal Pradesh depute farmers for undertaking training through capacity building programs to farmers to support them in growing crop with modern horticulture technologies, with reference to hydroponic- soilless crop production and gardening. The training was conducted at IHT main campus at Greater Noida.

IHT conducted 2 weeks trainings for the farmers and prospective bio entrepreneurs of Arunachal Pradesh on "Hi-Tech Horticulture with reference to Hydroponic- Soilless Crop Production and Gardening". The trainees were practically demonstrated the growing practices in soilless media for vegetables in polyhouses. The farmers were explained the importance of the entry/buffer room of the polyhouses with respect of the pest management in the crops inside the polyhouse. The role of five basic factors, namely, light, temperature, humidity, carbon dioxide and nutrients was very well explained to the farmers by different crop experts of IHT.

Farmers were explained about soilless farming and gardening practices. In this Technology Park hands on training and demonstration on/for soil solarization, bed preparation, mulching, how to make hole in mulching for transplanting, about soil less media, hi-tech nursery production techniques for improve the quality of nursery plant, high density and ultra-high density planting methods, how to collect soil sample from the field, construction of greenhouse and climate control, automated micro-irrigation and fertigation technology was provided to the farmers.



Trainees' interaction with experts on cultivation practices in hydroponic crop production

WITHIN STATE FARMERS TRAININGS

Farmers usually remain busy with their day to day activities in their farms as such some of them find it difficult to go for out of state trainings. But for increasing the income of farmers, training plays an important role in their advancement by capacity building programmes. In view of the importance of trainings for farmers who find it difficult to go for out of the state trainings, IHT organized 3 days special training programme for farmers of Chhattisgarh within state on “Innovative Technologies for Horticulture Crop Production with Special Emphasis on Protected Cultivation Technologies”. The main focus under the training was to improve farmers' skills and knowledge in areas such as planting techniques, irrigation, pesticides, crop rotation, and crop storage after harvest. These skills enable farmers to improve yields, protect their crops against weather-related shocks, and smooth their incomes year-round.



A few glimpses within state capacity building training programme organized for Chhattisgarh farmers

OUT OF STATE FARMERS EXPOSURE VISIT



Farmers being explained different technologies in practice in Ratnagiri, Maharashtra for fruits like Mango and Cashew nuts production

Bihar has good potential for the production of mango. The state is home to huge mango biodiversity; however, innovative practices need to be adopted for boosting productivity of emerging mango. The productivity can be increased by following modern techniques of mango production and by applying experiences of states those have done in mango production over the last decades. Mango is one of the leading fruit crops of the state Maharashtra and Ratnagiri specializes in the Mango production and export of it. . In view of this Institute of Horticulture Technology, organized 7-days exposure visit on “Innovative Technology Interventions in Cultivation and Post-Harvest Management of Mango” for the farmers of Bhagalpur and Banka districts of Gujarat to Ratnagiri, Maharashtra for showcasing of the technologies and practices being used there for production of mango and other horticultural crops. The farmers visited various processing units, progressive farmers' fields and market.

COMMERCIAL HYDROPONICS

Institute successfully organized training programs on “Commercial Hydroponics” for entrepreneurs from Uttar Pradesh, Madhya Pradesh and Odisha. The participants were explained about water quality analysis, plant nutrition management, greenhouse technology- climate control, production technologies for various crops, training and pruning, physiological disorders of hydroponics crops (due to climatic factors and nutrients imbalance), greenhouse pest management and marketing practices of hydroponic crops. This training is a step towards the upcoming startups being set up by the prospective bio entrepreneurs.



Trainees Undergoing Hands on Training on Hydroponic Crop Production during the Training Programme

FUTURE PROGRAMMES

S. No.	Title
1.	Landscape Horticulture
2.	Commercial Hydroponics
3.	Protected Cultivation of Vegetables Crops

**Customized courses are also offered on demand.*

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