



इंस्टीट्यूट ऑफ़ हार्टीकल्चर टेक्नालॉजी Institute of Horticulture Technology

SKILL DEVELOPMENT PROGRAMME

- A seven days skill development programme for progressive farmers and officers from Chhattisgarh was organized on “Innovative Production Technology of vegetable crops”. Two groups with more than 50 farmers each participated in the programme. The important areas for hands on training and interactive lectures included production of quality planting material, production of tomato, parthenocarpic cucumber, coloured capsicum in polyhouse, integrated pest management and post harvest technology. Solarization and mulching techniques were also demonstrated to the participants.



Participants attending interactive lecture in Technology Park



Participants in interactive lecture hall-Filling up registration form training



Dr. S. K. Malhotra, Commissioner, Horticulture, Govt. of India, Ministry of Agriculture, distributing certificate to the entrepreneurs from India, Bangladesh, Bahrain & Afghanistan

Foreign Trainees:

- A certificate course of 15 days was also conducted during this month where 16 participants mostly from India and abroad (Bangladesh, Afganistan & Bahrain) participated. Course title was “Innovative Production Technology of vegetables” which was conducted from 02.12.2014 to 08.12.2014. Participants were exposed to various hi-tech operations required for production of quality planting material, production technology of high value vegetable crops in polyhouse, organic farming, post harvest management and value addition, export potentials and system, integrated pest management, hydroponics, hortibusiness through protected cultivation, various exotic vegetables and their production techniques and application of tissue culture in horticulture.

On closing day of the programme Dr. S. K. Malhotra, Commissioner, Horticulture, Govt of India, Ministry of Agriculture, highlighted various Govt. schemes and programmes which can help the farmers and entrepreneurs harness higher profits in horticulture sector. He also distributed certificates to the participants on their successful completion of the programme.



Entrepreneurs from India, Baharin, Bangladesh and Afganistan in interactive lecture and hands on training sessions.

➤ Out station Training for skill development was also conducted for progressive farmers of Chhattisgarh State on Good Horticulture Practices.

About 10180 farmers participated in these programmes the farmers were appreciative of the technologies for increasing thier farm returns.



Exclusive trainings for Women in skill development session in progress in Chhattisgarh

Training session for farmers of Chhattisgarh

Exposure Visits:

Informative & useful exposure visits were conducted to showcase the practicability of protected cultivation at farm level. The exposure visits to whole sale mandi's helped them to understand marketing system of perishable commodities. The trainees also visits various historical places, parks with different landscaping patterns.

S. No.	Training Title	No. of Participants	Date	Details of Participants
1.	“ Innovative vegetable production technology”	52	01-12-2014 to 07-12-2014	Progressive farmer, Chapa, Chhattisgarh
2.	"Innovative Production Technology of Vegetable crops"	16	08 –12 – 2014 to 22 -12- 2014	Upcoming Horti- Entrepreneurs from different part of India & foreign countries (Bangladesh, Bahrain & Afganistan)
3.	“Innovative vegetable production technology”	50	22-12 – 2014 to 28 – 12- 2014	Progressive farmer from Korea block of Chhattisgarh
4.	34 trainings and skill development programme on “Good Horticulture Practices” (Outstation)	10180	2 days and 5 days	Different Blocks in Chhattisgarh state

Important Visitors:

- 1) Dr. S. K. Malhotra, Commissioner Horticulture, GOI, New Delhi visited Technology Park of IHT. He expressed a great interest in hydroponic technique and production technology in specially designed greenhouse. He praised the technology used by the scientist under various production systems.

Dr. S. K. Malhotra observing hydroponic system



- 2) Captain Nishad, former Minister in Bihar Govt. visited facilities and premises of Institute of Horticulture Technology. He was pleased to see Institute's infrastructure and the hands on trainings going on in the Institute.

Capt. Nishad Visiting Technology Park



Feedback from trainees:

- 1) "We learnt a lot of things like :- a) Use of mulching for production b) Preparation of nursery seedlings in Pro- trays c) Timely soil testing d) Managing proper plant to plant and row to row distance."

By: Jagat Singh, Village : Charcha, Tehsile- Baikunthpur, Korea (Chhattisgarh)

- 2) "Seed treatment, soil treatment demonstrated during the trainings will increase the productivity"
Rupmesh kumar chandra , Village : Belhadi, Post- Singhra tehsil Malkharoda, Chapa (Chhattisgarh)

- 3) "Overall, IHT was a great experience being here and learning the smart way of doing agriculture/ Horticulture. Hope this learning experience will be a great help to all of us."

Utkarsh Rastogi, Upcoming Horti- Entrepreneur (Certificate course)

Important Question raised by participants and their solution:

- 1) **Question:** In fruit crops of which thickness mulching can we use? What should be the thickness of mulch that can be used for fruit crops.

Solution: In all tropical and subtropical fruit plants we use 100 micron mulch material.

- 2) **Question:** Why should we use screen filter in drip irrigation system? (Entrepreneur)

Solution: Screen filters remove sediments and debris that can clog a drip system. The level of filtration depends on the mesh number of the screen. The higher the mesh number, the finer the screen. Most drip irrigation systems require a filtration of 120 - 150 mesh. Some products require a finer filtration of 200 mesh.

- 3) **Question:** How to identify varieties of onion suitable for storage?

Solution: Bhima Kiran, Bhima Sakti, NIPHAD-53 are suitable varieties for storage. Darker red colour of outer skin and narrow neck of onion are the identifying characters of variety suitable for storage .

- 4) **Question:** Suggest some control measures for Citrus Die Back.

Solution: Spray Copper Oxochloride @ 2g/ltr. water mixed with Streptocycline @ 0.1 g/Ltr. water.

Important tips to the farmer

- Add organic manures in the field before new planting.
- Start planning for the procurement of good quality planting material of vegetables, flower & fruit crops from reliable resources.
- Protect your crops against pest and disease.

COURSES OFFERED

Course Code	Date - Month	Duration	Course Title
January 2015			
PRT - 314: Level 1 PRT - 713: Level 2 PRT - 721: Level 3	Every Monday Date: 4th, 11th, 18th	Level 1: 3 days Level 2: 7 days Level 3: 15 days	Innovative Nursery Raising Techniques of Horticultural Crops Options 5: (Vegetable / Flower / Fruit / Forest / Medicinal Plant)
PRT - 516	12 - 16 January	5 days	Innovative Nursery Raising Techniques in Vegetables
PRT - 841	5 - 19 January	15 days	Advances in Vegetable Production with special emphasis on Protected Cultivation
PRT - 711	19 - 25 January	7 days	Production of Vegetable Crops (Tomato/ Cucumber/ Capsicum) under Polyhouse
MGT - 511	27 - 31 January	5 days	Good Horticultural Practices
MGT - 512	Every Wednesday Date: 6th, 13th, 20th, 27th	5 days	Banana Production - One Stop Solution from Lab to Land
TEC - 512	Every Friday Date: 1st, 8th, 15th, 29th	5 days	Innovative Irrigation and Fertigation Techniques in Greenhouse
TEC - 513		5 days	Vermicompost – Production and Use
TEC - 515	Every Friday Date: 5th, 12th,	5 days	Rejuvenation of Senile/ Unproductive Orchards
MGT - 717	10th, 26th	7 days	Greenhouse Construction, Management and Production
TEC - 712 TEC - 313 MGT - 313 MGT - 314 MGT - 315 MGT - 316	Every Friday Date: 5th, 12th, 10th, 26th	11 - 17 January	Skill Certification Courses (i) Greenhouse Technicians (ii) Micro Irrigation Technicians (iii) Gardener - Indoor Plantation (iv) Gardener - Lawn Maintenance (v) Gardener - Pot Maintenance (vi) Precision Horticulture with special emphasis on vegetable production



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Institute of Horticulture Technology

D-1, Krishna Apra Building, 3rd floor, Alpha Commercial Belt, Alpha-1, Greater NOIDA - 201306 UP
 Ph.: +91-0120-6450597, 6450596 Fax : 0120-2326714, Email : training@iht.edu.in, www.iht.edu.in

Toll Free: 1800-11-7474