



# इंस्टीट्यूट ऑफ हॉर्टिकल्चर टेक्नालॉजी Institute of Horticulture Technology

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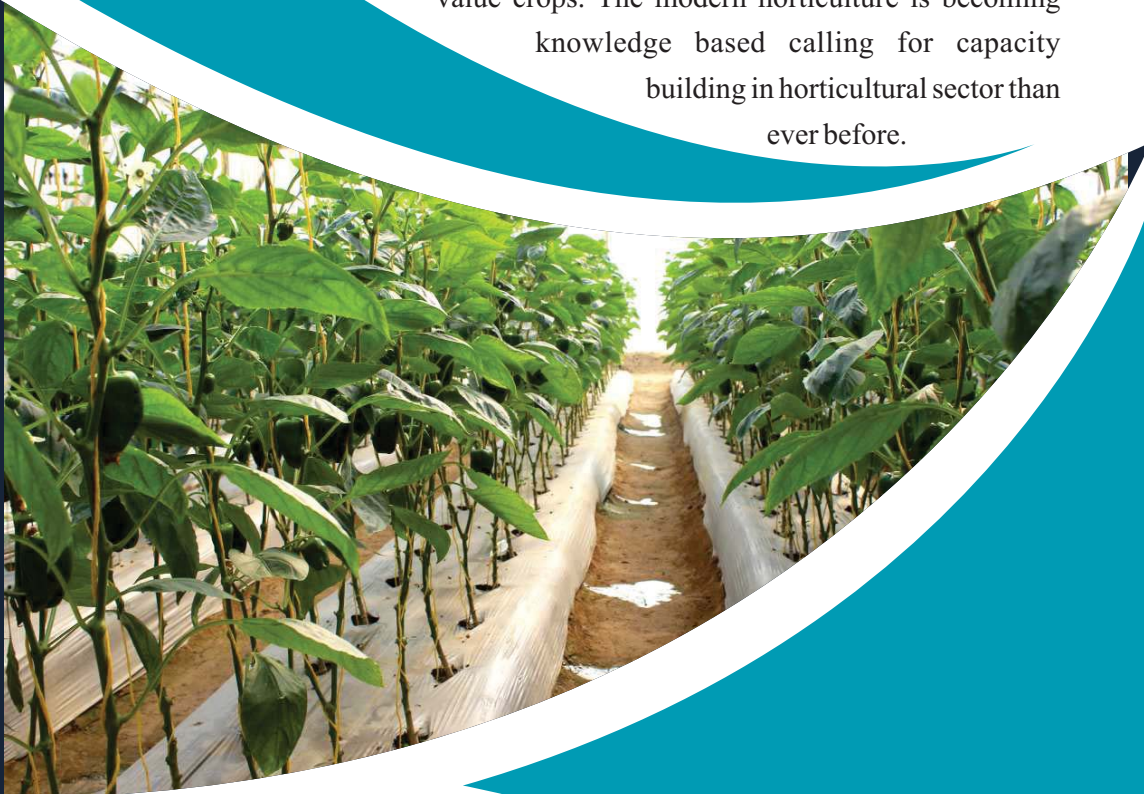
November-December, 2016 Vol 2 No. 14

## Regulating Horticultural Quality by Altering Drip Fertigation Recipes

Automated drip fertigation technology at IHT is computerized allowing changes in recipes, at different growth and development stages of crops.

Improved colour and succulence could be developed with adjustment of drip fertigation recipes in bell pepper. Thus the quality of the produce can be tailored as per niche market demand of high value crops. The modern horticulture is becoming knowledge based calling for capacity building in horticultural sector than ever before.

Fruit bearing in bell pepper under greenhouse begins two months after transplanting change in fertigation recipes at this time can help alter the quality of produce to meet the demand of niche market.



## Capacity Building Programme at Institute of Horticulture Technology

Institute of Horticulture Technology (IHT) has emerged as India's premier capacity building institute in Hi-Tech horticulture. In the month of November and December, 2016 farmers from different states and Union Territory participated in capacity building programme. IHT organized short duration training programme on various topics such as Greenhouse Production and Management, Establishment of Organic Production Systems, Application of Innovative Technologies in Horticulture Production and Micro irrigation Technologies. The focus of our training programme remained to improve knowledge and skills of farmers.

## Summary of Trainings held in November and December, 2016

S No.	State/ District	Participants	Dates	Duration (Days)	Title
1	Andaman and Nicobar	Farmers	13th - 17th November, 2016	5	Greenhouse Production and Management
2	Andaman and Nicobar	Farmers	13th - 17th November, 2016	5	Establishment of Organic Production System
3	Mizoram	Farmers	17th - 19th December, 2016	3	Greenhouse Production and Management
4	Mandla and Badwani	Farmers	2nd - 6th December 2016	7	Application of Innovative Technologies in Horticulture Production
5	Indor, Jabal- pur & Shihor	Farmers	6th - 12th December 2016	7	Application of Innovative Technologies in Horticulture Production
6	Gautambudh Nagar	Farmers	14th December 2016	1	Micro irrigation Technologies
7	Uttarakhand	Farmers	15th-17th December 2016	3	Application of Innovative Technologies in Horticulture Production
8	Uttarakhand	Farmers	19th-21st December 2016	3	Application of Innovative Technologies in Horticulture Production

### Capacity Building Snapshots



Hands on Training of farmers from Andaman and Nicobar, 13<sup>th</sup>-17<sup>th</sup> Nov, 2016 (Left) and Mizoram 17<sup>th</sup>-19<sup>th</sup> Nov, 2016 (Right) on Plug tray nursery production



Sanitization is most important in plug nursery production in greenhouse-Andaman and Nicobar Trainees in their disposable sanitized overalls watching demo in nursery greenhouses at Technology Park (13<sup>th</sup>-17<sup>th</sup> Nov,2016)

Interactive Lectures for farmers from Uttarakhand 15<sup>th</sup>-17<sup>th</sup> Dec, 2016

## School Children Exposure Visit to Technology Park

Making coming generations aware of various aspects of horticulture particularly environment and safe food production, gives us a deep sense of fulfilment in our pursuit for better world through horticulture and environment protection. Following these objectives IHT provided opportunity to school children from four schools to visit our Horticulture Technology Park during Nov-Dec, 2016, detailed here under.

S No.	Schools	Grade	Date of Visit
1.	Delhi Scottish School, Greater Noida	1st to 5th	3rd Dec, 2016
2.	Sanskar Co-educational School, Gaziabad	9th (A) and 10th (A)	10th Dec, 2016
3.	Sanskar Co-educational School, Gaziabad	9th (B) and 10th(B)	17th Dec, 2016
4.	Vishwa Bharti Public School, Greater Noida	1st to 3rd	19th Dec, 2016
5.	Dujana Public Inter college, Greater Noida	8th and 11th	28th Dec, 2016



Students of Delhi Scottish School listen to instructor's brief before visiting greenhouses and open field crops



Students of Sanskar Coeducational School (10<sup>th</sup> Dec, 2016) were surprised to see as to how vegetables they eat every day grew on plants they never thought



Students of Vishwa Bharati, Greater Noida (19<sup>th</sup> Dec, 2016) young one's shown how the vegetable plants actually look like



IHT faculty making students of Dujana Public Intercollege, Greater Noida (28<sup>th</sup> Dec, 2016) familiar with horticultural crops

## Training Calendar 2017

JANUARY 2017				
Date	Course Code	Duration	Course Title	Remarks
2 <sup>nd</sup>	INT-006	5 Days	Micro Irrigation and Fertigation	
	INT-003	5 Days	Protected Flower Cultivation	
	PCS-107	1 week	Climate Control in Polyhouse	
	CCH-303	3 months	Commercial Fruit Production	
9 <sup>th</sup>	INT-001	5 Days	Modern Nursery Production Technology	
	UPH-118	1 week	Hydroponics and Aeroponics	
	HPT-114	1 week	High Density Planting-II	
16 <sup>th</sup>	UPH-119	1 week	Year Round Vegetable Production	
	HPT-113	2 weeks	Rejuvenation of Unproductive Fruit Plants	
23 <sup>rd</sup>	UPH-120	1 week	Home Scale Mushroom Production	CCH-601 running from last month
	PPT-111	1 week	Training, Pruning and Trellising	
FEBRUARY 2017				
Wednesday 1 <sup>st</sup>	INT-006	5 Days	Micro Irrigation and Fertigation	
	OYH-204	2 weeks	Innovative Nursery Production	
6 <sup>th</sup>	PMP-103	1 week	Root Trainer Nursery Production - Fruits	OYH-204 running from last month
	OYH-206	2 weeks	Polyhouse Cut Flower Production	
	OYH-204	2 weeks	Innovative Nursery Production	
13 <sup>th</sup>	PMP-104	1 week	Tissue Culture of Horticultural Plants	OYH-206 running from last month
	OYH-206	2 weeks	Polyhouse Cut Flower Production	
20 <sup>th</sup>	PPT-110	1 week	Drip and Fertigation Technology	CCH 303 running from last month
	UPH-122	1 week	Home Scale Waste Management	

### Tips for farmers for the coming months

- Irrigate your crop frequently to protect from cold it moderates the soil temperatures
- Plan for off season crop of cucurbits by starting crop in low tunnels



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