



A Word from the Chairman

Although, India has a wide range of diverse agro- climatic conditions, but vegetable cultivation practices have generally been restricted to regional and seasonal needs. Although the production of vegetables has increased to a level of 156.6 Million tons from an area of 9.89 million hectares (2013-14), but still the technology used and practices followed are predominantly traditional, resulting in low productivity and inconsistent quality and quantity of produce supplies to various markets in the country.

In several parts of the country, especially in northern plains, the soils are highly fertile but extremes of temperature, ranging from 0-48° during the year do not allow year round outdoor vegetable cultivation. Similarly, in several parts of the country biotic stresses mainly during rainy and post rainy season do not allow successful production of vegetables like tomato, chilli, okra, sweet peppers, etc. in open fields. As a result most of these



Honorable Dr. S. Ayyappan, Secretary (DARE) and Director General (ICAR) inaugurated Intelligent Protected Cultivation facility and also visited various crops/experiment where hi-tech production technology is followed.

MEDIA COVERAGE

- The visit of Honorable Dr. S. Ayyappan was covered by Doodarshan and newspaper.
- One day – outstation training program on Post Harvest Management that is going on in Chhattisgarh, was covered in three local news papers. Around 150 farmers and four horticulture officers participated in the training and updated their knowledge.

Youtube video link file

- <https://www.youtube.com/watch?v=cDSTckfAn54&feature=youtu.be>
- https://www.youtube.com/watch?v=m0kP_91KoY&feature=youtu.be
- <https://www.youtube.com/watch?v=zo9Ns-YRTes&feature=youtu.be>
- <https://www.youtube.com/watch?v=cUfCTwyeL1o&feature=youtu.be>
- <https://www.youtube.com/watch?v=2U7sepkImJw&feature=youtu.be>
- <https://www.youtube.com/watch?v=4wwjnCXO5ew&feature=youtu.be>

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vegetables are severely damaged by the incidence of viruses. In upper reaches of Himalayas, cool desert condition prevail where the temperature is extremely low (-5 to -30 OC) during winter season and most of the region remain cut off from rest of the country from November to March due to very heavy snowfall. Therefore, it is very difficult to grow vegetables in such a climate.

India has entered in to the era of greenhouse vegetable cultivation more recently and the total area under protected vegetable production is not more than 30000 hectares. India being a vast country with diverse and extreme agro – climatic conditions, the protected vegetable cultivation technology can be utilized for year round and off- season

production of high value low volume vegetable crops, production of virus free high quality seedlings, quality hybrid seed production and as a tool for disease resistance breeding programmes.

Institute of Horticulture Technology has several types of protected structures in use for growing various horticultural crops with varying advantages. The popular one are naturally ventilated low cost polyhouse, hybrid polyhouse, energy efficient polyhouse, hi-tech polyhouse, kisan polyhouse, insect proof net house, shade net house, walking tunnel, semi-climate controlled greenhouse and plastic low tunnels. Recently intelligent greenhouse has also been added to this list which is first in Asia.

These protected structured are in

perfect functional order and various crops like parthenocarpic cucumber, slicing/cherry tomatoes, colour capsicum, various types of cut flowers and quality nursery seedlings are raised with innovative techniques. Farmers/gardeners/horticultural field functionaries and corporate personnel's are trained on these technologies.

So far persons from 17 states have taken various courses in IHT. These courses are very popular among farmers and it is advised that one can take advantage of this world class facility at IHT by joining some short duration courses in different hi-tech practices in horticulture.

K.L. Chadha

Chairman

Padmashree Dr. K. L. Chadha

TRAININGS:

Several trainings were conducted during this quarter. Trainings were also provided outside Greater Noida in the host state that is Chhattisgarh during this period. Also, one day exposure visit of NDMC gardeners and colleges students were also organized to make them acquainted with the new technologies in horticulture. Moreover, many private candidates mostly entrepreneurs, students, and other amateur horticulturists were trained during this period.





Different batches undergone training in various areas is given below:

S. No.	Details of Participants	Training Title
1.	Progressive Farmers	Good Horticulture Practices
2.	Jharkhand Gardeners, New Delhi Municipal Council	Exposure to New interventions on horticulture
3.	B tech (Biotechnology) Scholars, NCR	Exposure to New interventions on horticulture
4.	B tech and M tech Scholars, NCR	Exposure to New interventions on horticulture
5.	Progressive Farmers Chhattisgarh	Post Harvest management of horticulture crops
6.	Progressive Farmers & horticulture officer Uttarakhand	Production of High Value vegetable crops under Polyhouse
7.	Private candidate (Different states)	Production of vegetable crops (Tomato/Cucumber/ Capsicum) under Polyhouse

IMPORTANT VISITORS

- **Honorable Dr. S. Ayyappan**, Secretary, Department of Agricultural Research and Education and Director General, Indian Council of Agricultural Research, Ministry of Agriculture, Krishi Bhawan, New Delhi visited Institute of Horticulture Technology on 21 April, 2014. While visiting various facilities, he mentioned that "visiting the impressive facilities at IHT today was a learning experience. Set up with varying approach, it is designed to fill the gap and meet the needs of human resource in horticulture. Complements on giving this to the country." While addressing the gathering of trainees and faculty members, Honorable Dr. S. Ayyappan appreciated the role of IHT in training of youth in scientific horticulture to meet the fast developing needs of horticulture industry.



FEEDBACK FROM TRAINEES:

1. I was overwhelmed to participate in an important event at IHT in which DG ICAR Dr. S. Ayyappan inaugurated Asia's first intelligent greenhouse. The training was informative and the best part of training was greenhouse at institute's demonstrative unit.
Sh. Girish Chandra Upadhyay, Horticulture Officer, Uttarakhand
2. I was highly impressed by IHT faculty as they provided all possible solutions of the problems that come across in crop cultivation. I also got some important tips to minimize post harvest losses of horticultural crops at my farm.
S. R. Naag, Garden Superintendent



MAY - 2014

COURSE CODE	DATE - MONTH	DURATION	COURSE TITLE
TEC-512	Every Monday Date: 5 th , 12 th , 19 th , 26 th	5 days	Innovative Irrigation and Fertigation Techniques in Greenhouse
TEC-513		5 days	Vermicompost - Production and Use
TEC-515		5 days	Rejuvenation of Senile/ Unproductive Orchards
MGT-717		7 days	Greenhouse Construction, Management and Production
TEC-715	5 - 11 May	7 days	Design and Development of Greenhouse
MGT-511	13 - 17 May	5 days	Good Horticultural Practices
TEC-511	19 - 23 May	5 days	High Density Crop Production and Canopy Management
TEC-516	26 - 30 May	5 days	Organic Farming
TEC-514	27 - 31 May	5 days	Mulching for Moisture Conservation and Weed Control

JUNE - 2014

COURSE CODE	DATE - MONTH	DURATION	COURSE TITLE
TEC-512	Every Monday Date: 2 nd , 9 th , 16 th , 23 rd , 30 th	5 days	Innovative Irrigation and Fertigation Techniques in Greenhouse
TEC-513		5 days	Vermicompost - Production and Use
TEC-515		5 days	Rejuvenation of Senile/ Unproductive Orchards
MGT-717		7 days	Greenhouse Construction, Management and Production
MGT-511	3 - 7 June	5 days	Good Horticultural Practices
TEC-511	10 - 14 June	5 days	High Density Crop Production and Canopy Management
TEC-516	17 - 21 June	5 days	Organic Farming
TEC-514	24 - 28 June	5 days	Mulching for Moisture Conservation and Weed Control

JULY - 2014

COURSE CODE	DATE - MONTH	DURATION	COURSE TITLE
TEC-512	Every Monday Date: 7 th , 14 th , 21 st , 28 th	5 days	Innovative Irrigation and Fertigation Techniques in Greenhouse
TEC-513		5 days	Vermicompost - Production and Use
TEC-515		5 days	Rejuvenation of Senile/ Unproductive Orchards
MGT-717		7 days	Greenhouse Construction, Management and Production
PRT-517	1 - 5 July	5 days	Vegetable Seed Production
TEC-516	7 - 11 July	5 days	Organic Farming
MGT-716	13 - 19 July	7 days	Nursery Management and Production of Quality Planting Material
TEC-715	20 - 26 July	7 days	Design and Development of Greenhouse
COO-001	27 - 29 July	3 days	Hi-Tech Nursery Management and Production of Quality Planting Material



* For detailed course calendar 2014-2015 visit our website or contact us

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