

~~Dr. Anand Kumar~~

Department of Horticulture, CoA, CCS HAU, Hisar

Trainings under the scheme "Precision Farming Development Centre (NCPAH)"
Ministry of Agriculture, Govt. of India, New Delhi.
(Training Schedule)

Training Coordinators: Dr. Sushil Sharma, Assistant Horticulturist (PI, PFDC, Hisar)
 Dr. Prince, Assistant Scientist, Deptt. of Horticulture (Co-PI, PFDC, Hisar)
 Dr. Vikas Kamboj, Asstt. Scientist, Deptt. of Vegetable (Co-PI, PFDC, Hisar)

Venue: Department of Horticulture

Dates: 22.3.2024, 26.3.2024, 27.3.2024, 28.3.2024, 29.3.2024

Date of Training	Time	Title of lecture and practical	Resource person
Training 1: Micro irrigation and precision farming in horticultural crops			
22-3-2024	09.00 AM - 9.40 AM	Registration	Dr. Prince Dr. Vikas Kamboj Mr. Mukesh (YP-II)
	9.40 AM - 10.00 AM	Welcome and Opening remarks	Dr. Sushil Sharma
	10.00 AM - 10.40 AM	Micro irrigation –Scope, Importance and Introduction to MI systems and its utilities in horticultural crops	Dr. A.K. Godara (Consultant Faculty) MHU, Karnal
	10:40 AM - 11:00 AM	Tea Break	
	11.00 AM- 12.00 Noon	Micro irrigation systems, its components and Maintenance	Dr. Sandeep Bhardwaj Asstt. Prof. (B.E.)
	12:00 Noon- 01:00 PM	Package and Practices of strawberry cultivation under protected condition	Dr. A.K. Godara (Consultant Faculty) MHU, Karnal
	01.00 PM- 02.00 PM	Lunch Break	
	02:00 PM- 03:00 PM	Demonstration of nursery raising and grafting technique in fruits and vegetable crops	Dr. Indu Arora
	3.00 PM- 04.00 PM	Automation and control of MI systems	Dr. Indu Arora
Training 2 : Vertical farming models in agriculture/horticulture and hydroponic cultivation of different horticultural crops			
26-3-2024	09.00 AM - 9.40 AM	Registration	Dr. Prince Dr. Vikas Kamboj Mr. Mukesh (YP-II)
	9.40 AM - 10.00 AM	Welcome and Opening remarks	Dr. Sushil Sharma
	10.00 AM - 10.40 AM	Importance and scope of vertical farming, hydroponic/vertical farming structure installation and their management	Dr. Rupali Sharma
	10:40 AM - 11:00 AM	Tea Break	

Date of Training	Time	Title of lecture and practical	Resource person
	11.00 AM-12.00 Noon	Hydroponic cultivation possibilities of horticultural crops	Dr. A.K. Godara (Consultant Faculty) MHU, Karnal
	12:00 Noon-01:00 PM	EC/pH based irrigation/fertigation scheduling and nutrients management in vertical farming	Dr. Savita Rani
	01.00 PM-02.00 PM	Lunch Break	
	02:00 PM-03:00 PM	Visit to hydroponics unit for demonstration at Agro Tourism Centre	Dr. Arvind Malik ✓
	3.00 PM-04.00 PM	Nursery raising and grafting techniques in fruits and vegetable crops for vertical farming models	Dr. Indu Arora
Training 3: Production of high value crops under protected condition			
27-3-2024	09.00 AM - 9.40 AM	Registration	Dr. Prince Dr. Vikas Kamboj Mr. Mukesh (YP-II)
	9.40 AM - 10.00 AM	Welcome and Opening remarks	Dr. Sushil Sharma
	10.00 AM - 10.40 AM	Package of practices/demonstration at field of high value crops	Dr. A.K. Godara (Consultant Faculty) MHU, Karnal
	10:40 AM - 11:00 AM	Tea Break	
	11.00 AM-12.00 Noon	Integrated disease and insect pest management in nursery of horticultural crops	Dr. Man Mohan
	12:00 Noon-01:00 PM	Post-harvest handling and management of high value horticultural produce for export	Dr. R.P.S. Dalal
	01.00 PM-02.00 PM	Lunch Break	
	02:00 PM-03:00 PM	Government initiatives for promotion of nursery technology and its certification procedure	DHO, Hisar
	3.00 PM-04.00 PM	High tech cultivation of high value crops and field visits to PFDC area	Dr. A.K. Godara (Consultant Faculty) MHU, Karnal
Training 4: Hi-tech cultivation of horticultural crops			
28-3-2024	09.00 AM - 9.40 AM	Registration	Dr. Prince Dr. Vikas Kamboj Mr. Mukesh (YP-II)
	9.40 AM - 10.00 AM	Welcome and Opening remarks	Dr. Sushil Sharma
	10.00 AM - 10.40 AM	Importance of Hi-tech cultivation of horticultural crops in India	Dr. A.K. Godara (Consultant Faculty) MHU, Karnal
	10:40 AM - 11:00 AM	Tea Break	
	11.00 AM-12.00 Noon	Hi-tech nursery management and mechanization of horticultural crops	Dr. Indu Arora
	12:00 Noon-01:00 PM	Cultivation of high value horticultural crops	Dr. Arvind Malik
	01.00 PM-02.00 PM	Lunch Break	

Date of Training	Time	Title of lecture and practical	Resource person
	02:00 PM-03:00 PM	Demonstration of cutting preparation and grafting of different horticultural crops	Dr. Indu Arora
	3.00 PM-04.00 PM	Nursery raising techniques for horticultural plants	Dr. Indu Arora
Training 5: Role of AI in precision agriculture			
29-3-2024	09.00 AM - 9.40 AM	Registration	Dr. Prince Dr. Vikas Kamboj Mr. Mukesh (YP-II)
	9.40 AM - 10.00 AM	Welcome and Opening remarks	Dr. Sushil Sharma
	10.00 AM - 10.40 AM	Role of AI technology in Agriculture	Dr. Parvesh Antil (Basic Engineering)
	10:40 AM - 11:00 AM	Component of precision farming & application of precision farming in horticultural crops	Dr. A.K. Godara (Consultant Faculty) MHU, Karnal
	11.00 AM-12.00 Noon	Tea Break	
	12:00 Noon-01:00 PM	Remote sensing & geographical information system	Dr. Sandeep Bhardwaj
	01.00 PM-02.00 PM	Lunch Break	
	02:00 PM-03:00 PM	Government initiatives for promotion of nursery technology and its certification procedure	D.H.O. Hisar
	3.00 PM-04.00 PM	Drone based farming for horticultural crops	Dr. Mukesh Dandi (SWE)

Endst No. Hort/2024/ 1465-83

Date: 19/3/2024

Schedule approved as proposed above and a copy of the same is forwarded to the following for kind information and necessary action at end please.

1. Director of Research, CCSHAU, Hisar
2. Executive Director, Joint Project Director, NCPAH, MoA & FW Govt. of India, New Delhi
3. HOD (Hort.), HOD (Veg. Science), HOD (Basic Engineering) to please spare the services of teacher concerned as per schedule
4. All concerned scientist
5. All concerned instructor
6. D.H.O., Hisar
7. Incharge, Computer section, College of Basic Science, CCSHAU, Hisar
8. Office Copy


13/3/24
Training Coordinator


19/3/24
HOD, Horticulture