

Model Training Course
on
**Recent Approaches in Pre and Post Harvest Management of
Horticultural Crops for Enhanced Farm Income**
(January 16-23, 2019)



Dr. Pradeep Kumar

Course Director

Dr. Akath Singh

Course Co-Director

Dr. P. S. Khapte

Course Co-Director

Sponsored by

Directorate of Extension

Department of Agriculture, Cooperation and Farmers Welfare

Ministry of Agriculture & farmers Welfare

Government of India, New Delhi-110 012

Organized by

ICAR-Central Arid Zone Research Institute

Jodhpur-342 003, Rajasthan



Background

Horticulture sector, accounting for nearly 30% to country's agriculture GDP. It has emerged as one of the fastest growing sectors with providing potentiality for gainful economy. In spite of providing high yield per unit area and time, also contributing to nutritional health security, horticulture has been key sectors in providing employment opportunities to the rural youth and laborers. Therefore, horticulture is now being regarded rather as an industry. In recent years, arid and semi-arid regions have also witnessed a greater shift from traditional to commercial horticulture with constant government support and technical input of R&D institutions. For instance, in recent years the strides in area expansion under protected cultivation is witnessed from negligible to >3000ha); pomegranate expansion in the Rajasthan has increased manifold, besides several hi-tech horticulture nurseries are coming up. Besides, regions adopted horticultural species have shown commercial significance under different production systems with improved market and processing facilities. The pre-harvest factors determining the increase in productivity along with enhanced inputs use efficiency, and proper post-harvest handling of fruits and vegetables require adequate attention. These are possible by adopting recent advancements in pre and post-harvest management of horticultural crops. Therefore, in achieving sustainable growth in this sector, there is constant need of knowledge up-gradation. The proposed training course is planned to upgrade the knowledge and skills of the participants by theory as well as hands on training on following theme areas.

Course Content

The aim of this training course is to develop skills of the participants working in close association of farmers to suggest site specific production options vis-à-vis technical knowhow that are sustainable and profitable. Following topics will be covered through visual aid lectures, practical demonstrations and field trips.

- Hi-tech production of cost effective commercial fruit crops viz., pomegranate, date palm, guava, strawberry, olive, etc.
- Protected cultivation of high value horticultural crops.
- Scheduling of micronutrients and plant growth promoting substances
- Latest approaches in commercial vegetables production viz., plug tray nursery, vegetable grafting, roof-top gardening, exotic vegetables production and soil less cultivation.
- Seed spices cultivation, processing and value addition
- Organic cultivation of high value crops
- Efficient supply chain management of commercial horticultural crops.
- Quality standards and export specification of important crops.
- Shelf life extension through pre-harvest interventions and packaging
- Processing and value chain management and bio-fortification of horticultural produce

Expertise for above mentioned technologies available with host institute will be shared with personnel working towards the upliftment of farming communities in isoclimatic regions of the country.

Eligibility criteria of applicants

Participants (AO/ADO/ADA/SMS etc.) from all the concerned development departments such as Agriculture, Horticulture, Animal husbandry, Dairy of states and union territories who are engaged in research/extension /training activities are eligible to attend the training course. The total number of participants will be 20. In case, the trainees from other organizations viz; ICAR institutes, SAU's and KVK's desire to attend the MTC, their TA/DA may be borne by their respective institute/organization. However, all the trainees may avail the lodging /boarding and other facilities in the host training institution. Reimbursement of travelling expenses to the trainees nominated by the state development department shall be made as per their entitlement and GOI norms specified in the guidelines for organizing MTCs. The application for participation may be sent in enclosed prescribed format, duly forwarded/nominated by the competent

authority/Head of the institution. It should reach course director on or before the last date by the post, fax or email. The participants will be selected on the basis of their qualification and area of work, relevant to training course.

Duration of training days from

Duration of the model training course (MTC) is from 16th – 23rd January, 2019. (both days inclusive). The participants are expected to arrive at ICAR-CAZRI, Jodhpur latest by the evening of the 15th January, 2019 and can leave after 17:00hrs on the 23rd January, 2019.

TA/DA, boarding and lodging

The food and accommodation will be arranged at CAZRI, scientist hostel. The cost of travelling, boarding and lodging etc. of the selected participants will be met out of the grant from the Department of Agriculture, Cooperation & Farmers Welfare, Ministry of Agriculture & Farmers Welfare, GOI, New Delhi. The participants will be reimbursed the to and fro travel fare for the journey to Jodhpur by rail or bus by the shortest route. The payment will be made as per the entitlement class of travel, restricted to maximum of AC-II tier train fare/bus fare. As regards to daily allowance (DA), any participant, refusing to avail the free board and lodging facilities, will not be given any cash payment in lieu thereof. Participants are requested not to bring family members with them, as the institute has limited hostel facilities.

About Jodhpur

Jodhpur is known as the “Sun City” because of its bright and sunny weather throughout the year. It has been named after Rao Jodha, who established in 1459 it rose to be the second largest city of Rajasthan. Jodhpur city has many beautiful palaces and forts such as Mehrangarh Fort, Umaid Bhavan Palace and Rai Ka Bag Palace. Other charms of Jodhpur include Jaswant Thada, Government Museum and its beautiful Umed and Mandore gardens.

How to reach CAZRI

Jodhpur is well connected through rail and bus transport and has links with all the major cities of India. The institute can be reached by hired or personal vehicle by road. Distance from major terminals of the city is:

From Railway Station: 6 km and State Roadways Bus Stand: 9 km.

Important Dates

Last date for recipient of application (through proper channel) : 20 December, 2018

Confirmation of participant (by mail/fax) : 22 December, 2018

All correspondence should be addressed to

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Director

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Registration Form

APPLICATION FORM FOR PARTICIPATION IN THE MODEL TRAINING COURSE

“Recent Approaches in Pre and Post Harvest Management of Horticultural Crops for Enhanced Farm Income”

(January 16-23, 2019)

(To be sent directly to the Course Director/Co-Directors of the Model Training Course)

1. Name (In block letter):.....
2. Designation:.....
3. Institute/ Organization where employed:.....
4. Address for correspondence (Postal address with PIN):.....
.....
5. Permanent Address:.....
.....
6. Phone No.....Mobile.....Fax No.....
7. Email:.....Date of birth:.....
8. Sex: Male.....Female.....Marital status: Single.....Married.....
9. Participation in any research seminar/summer-winter schools/short course/model training course etc.
during previous year under ICAR/Other Govt. Organization.....
.....
.....

10. Academic qualification

Degree	Year	Subject	University/ Institution	CGPA/ % of marks
Bachelor degree				
Master degree				
Other degree /Diploma etc.				

Date.....

Place.....

Signature of participant

Recommendation of the forwarding Institution

Date.....

Place.....

Signature with seal