



**Model Training Course
on
Good Agricultural Practices for Horticultural
Crops
(October 19–26, 2016)**



Sponsored by

Directorate of Extension,
Department of Agriculture & Cooperation,
Ministry of Agriculture and Farmers Welfare
Government of India, New Delhi

Course Director

Dr. Sanjay Kumar Singh
Head

Course Coordinators

Dr. Kanhaiya Singh, Principal Scientist
Dr. Amit Kumar Goswami, Scientist

**Division of Fruits and Horticultural Technology
ICAR-Indian Agricultural Research Institute
New Delhi-110 012**

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Background

Division of Fruits and Horticultural Technology, Indian Agricultural Research Institute New Delhi conducts basic and applied research to improve production, productivity and quality of different fruit crops. During the last four decades, the division has significantly contributed through research for the advancement of horticulture by ushering in the frontiers of knowledge in fruit crops and providing practical solutions to the problems confronting fruit industry. The division has well trained scientific manpower on various aspects of fruit production technologies including nutrient and water management, rootstock research, high density orcharding, canopy management, fruit physiology, breeding and biotechnology. The division has developed several landmarks including seven mango hybrids, namely, Amrapali, Mallika, Pusa Arunima, Pusa Pratibha, Pusa Shreshth, Pusa Peetamber, and Pusa Lalima, four grape hybrids, namely, Pusa Navrang, Pusa Urvashi, Pusa Aditi and Pusa Trisar and Pusa Udit (acid lime) and Pusa Round (sweet orange) in citrus were released for commercial cultivation. Whole transcriptome analysis on mango variety Dushehari, Neelum and Amrapali achieved and DNA fingerprinting of *ber*, mango, citrus and grape was accomplished using different molecular markers. Technologies related to HDP in Allahabad Safeda guava have been demonstrated. Selection criteria for screening citrus against salinity have been developed. Salt tolerant rootstocks in mango and citrus were identified. Protocol for *in vitro* multiplication of grape genotypes and bio-hardening of plantlets using AMF was developed. The division has well-equipped modern laboratories suitable for all advanced analytical techniques. The division organizes training programmes for human resource development in modern fruit production for different clientele.

India is a second largest producer of fruits after China contributing about 11 per cent to the

global production and leads the world in productivity of papaya, grapes and banana. During the last three decades there has been enormous area expansion, production and the availability of different horticultural produce. Presently, apart from productivity, safe and healthy produce is the major concern. Good Agricultural Practices (GAP) is an approach, which took shape as the result of global concern on food safety. GAP can be an ideal path, which takes care of different concerns related to soil and water, crop raising, planting material, input management, environmental issue, farm workers, retailers, processors and exporter. Hence, the present training is aimed to sensitize the State Officials in Horticulture, who will implement GAP in different horticultural crops through farmer's participation. Lectures are scheduled to be delivered on different aspects of GAP. Practical hands-on training on important issues related to GAP will be undertaken. In addition, exposure visit will also be arranged for the trainees. Thereby, the training will equip field level officers to disseminate focused knowledge to the farmers.

Course Content

1. An Overview on Good Agricultural Practices for horticulture production and export.
2. Good Agricultural Practices for the production and export of mango, grape, citrus fruits, banana, papaya and guava.
3. GAP for the production of quality planting materials of fruit crops.
4. GAP for the production of arid fruits.
5. GAP for the production of temperate fruits.
6. Good Agricultural Practices for commercial vegetable production.
7. GAP under protected cultivation of vegetables and flowers.
8. Good Agricultural Practices in commercial floriculture.
9. Good Agricultural Practices related to water and nutrient management in fruit crops.

10. Good agricultural practices and post- harvest handling of fruit crops.
11. Good agricultural practices for food safety.
12. GAP in managing insect-pests and diseases in fruit crops.
13. Pesticide residue issues in horticultural production and export.
14. Enhancing export of fresh and processed fruits.

Course Duration

The course duration is eight days from 19 – 26th October, 2016. Out-station participants are requested to arrive latest by the evening of October 18, 2016 and can leave after 18:00 hrs on October 26, 2016.

Eligibility

Participation for the **MODEL TRAINING COURSE** is restricted to Officers of State Government Development Departments like Agriculture and Horticulture who is involved in horticulture development and extension activities. The total number of participants will be restricted to 20. There is no course fee charged to participants.

Nomination

The Director/ District Agriculture Officer/ District Horticulture Officer of the State Departments may nominate eligible candidates. The nomination form is available in the brochure. The last date of receipt of nomination is **19th September, 2016**. The selected candidates shall be intimated on or before September **30th 2016** either by Fax/ Speed cost/ Email/ mobile, which in turn have to confirm their participation by October, **10th 2016**. Participants may start their journey only after confirmation. Selection will be made purely on the first-cum-first served basis.

TA & DA

Participants will be paid to and fro travel expenses restricted to AC II tier Train fare on submission of original travel tickets in support of their claim or State Transport Department Bus by shortest route as per Government of India rules.

Boarding and Lodging

Free boarding and lodging facilities will be provided to all the participants as per the rules of model training course. The participants will be provided accommodations in the Sindhu Guest House of the Institute on twin sharing basis. Participants are **requested not to bring their family**.

How to reach

Indian Agricultural Research Institute popularly known as “Pusa Institute” is located at Pusa in East Patel Nagar about 8 km west of New Delhi Railway Station and about 16 km east of Indira Gandhi International Airport. Pre - paid taxi/auto can be available at railway /airport/bus stations to reach at IARI, Pusa Campus, New Delhi.

Please send nomination to

Dr. Sanjay Kumar Singh

Head

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For further information please contact

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Model Training Course

on

Good Agricultural Practices for Horticultural Crops

(October 19 –26, 2016)

APPLICATION FORM

1. Name:

2. Designation:

3. Present employer and address:

4. Correspondence address:

Fax:

E-mail:

Mobile:

5. Date of birth:

6. Sex: Male/Female

7. Work experience: () years

8. Educational qualifications:

Date:

Place:

Signature of the applicant

Recommendation of the Forwarding Authority

Date:

Signature
Name & Designation