

REGISTRATION FORM

Model Training Course (MTC) on
"Soil and water Management in Horticultural Crops"
October, 24 to 31, 2017

1. Full Name (in block letters):
2. Designation::
3. Present employer and Address:
4. Address for communication:

Phone: Fax:

Mobile: e-mail

5. Permanent address:

6. Date of birth:

7. Sex: Male/Female

8. Nature of work and experience

9. Trainings attended during last five years:

Sl. No.	Training title	Duration (days)	Year

10. Need of the training:

Place:

Date:

Signature of applicant

12. Recommendations of the forwarding organization

Signature and Designation
of the Sponsoring/nominating
Authority with address



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MODEL TRAINING COURSE ON

"Soil and water Management in Horticultural Crops"

October, 24 to 31, 2017

Sponsored by

Directorate of Extension
Department of Agriculture & Cooperation
Ministry of Agriculture, New Delhi



Organizer

Department of Vegetable Science
College of Agriculture,
Indira Gandhi Krishi Vishwavidyalaya
Raipur - Chhattisgarh 492012

India emerged as a major producer of horticultural crops (280.98 million tones surpassing food grain production of 252.23 million tones) and is placed second after China in both fruit and vegetable production. Also horticulture in India with its higher annual growth rate has become a major contributor to growth of Indian agriculture. Presently, the horticulture sector contributes around 34% of the GDP and 38% of the total exports of agricultural commodities from about 13.08% of area. During the last five year plan periods, focused attention was given to horticultural research and development, which placed India as the second largest producer of vegetable and fruits. It is major source of nutrition security. It is therefore, important that horticultural crop production is given more emphasis so that it could sustain the desired growth rate in agriculture sector for food & nutritional security and employment generation.

Looking to the importance of horticultural crops in doubling the farmers' income it is essential to reassess our programmes and devise overall strategies to make horticulture sector more income generating under changing environmental conditions.

Soil and Water management is a core issue in horticultural crop production. Efficient methods have been evolved for enhancing water and nutrient use efficiency.

Why Soil and Water Management?

- To enhance water use efficiency
- To enhance nutrient use efficiency
- To provide conducive environment for the plant growth
- Sustainable production of horticultural crops

OBJECTIVE:

The major objective of the course is to sensitize field-level officers with soil and water management in horticultural crops with application of traditional and latest technologies for enhancing horticultural crop production.

1. To impart knowledge about GAP in soil and water management in horticultural crops.
2. To provide common platform for participants to discuss problems on soil and water management in horticultural crops.
3. Exposure to various aspects of soil and water management and hands on training with role model farmers.

TRAINING DESIGN:

Training will be a blend of sessions on theoretical concepts, practical exercises as well as study tours to demonstrate soil and water management in horticultural crops. The training sessions will facilitate interactive and experiential learning. Emphasis will be laid upon participatory methodology and practical exposure.

COURSE CONTENTS:

Training will address on important subject areas including:

- Soil and water conservation in response to cultivation of horticultural crops.
- Soil and water management under dry land horticulture
- Hydroponic and semi-hydroponic cultivation of horticultural crops.
- Abiotic stress management in horticultural crops (effect of moisture stress on crop growth, available and unavailable soil moisture etc.).
- Distribution of soil moisture - water budgeting - rooting characteristics - moisture extraction pattern.
- Soil and water requirement of different horticultural crops.
- Plant water potential climatological approach - use of pan evaporimeter - factor for crop growth stages - critical stages of crop growth for irrigation.
- Irrigation scheduling - different approaches - methods of irrigation - surface and sub-surface pressurized methods viz., sprinkler and drip irrigation, their suitability, merits and limitations, fertigation, economic use of irrigation water.
- Production of horticultural crops under problem soil.
- Layout of different irrigation systems, drip, sprinkler. Layout of underground pipeline system.

DURATION OF TRAINING: 8 days (October 24-31, 2017)

ELIGIBILITY: Participants from State Agric/Hort. Department/ICAR/SAU's/KVK's are eligible to apply. Total number of participants shall be 25.

HOW TO PARTICIPATE: Controlling Officer or Officer concerned may directly nominate/depute the candidates for the course. However, interested eligible candidates may send the Registration Form through proper channels, with an advance copy sent by e-mail: vegscience.igkv@gmail.com to the Course Director. All nominations/applications should reach the Course Director on or before 20th October, 2017. For programme specific information, if any, the interested candidate may contact course director or course coordinator(s).

ACCOMMODATION AND TRAVEL: Free boarding and lodging shall be provided in the university guest house to all the participants. The travel expenses of participants nominated by State Departments shall be reimbursed as per their entitlement, and as per guideline for organizing model training course (MTC) on production of valid tickets. The travel expenses of other participants from SAUs/KVKs/ ICAR etc. shall be borne by their respective organizations.

VENUE: The training shall be organized at Department of Vegetable Science, College of Agriculture, Indira Gandhi Krishi Vishwavidyalaya, Raipur (C.G.). Raipur is well connected with train/road/air. Weather condition during October will be pleasant with average temperature of 22-27°C.

ADDRESS FOR CORRESPONDENCE:

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