

Training Programme on
Principles and Production Techniques of
Hybrid Seeds in Vegetables

12-23 September, 2017



ICAR-Indian Institute of Vegetable Research

Post Bag 01, PO- Jakhini (Shahanshahpur)

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An ISO 9001:2008 Certified Institute

Background

It has rightly been said that all successful crop production begins with good quality seeds. In vegetables, use of hybrid seed has become popular among the growers despite of higher seed cost due to higher productivity. Mostly, hybridization is performed manually or using the genetic emasculation tools, the former being labour intensive process. This warrants the economical production of hybrid seeds in order to realize the best potential of hybrids. This training will enable participants to have hands-on experience as well as insights in various techniques used in hybrid development/ production.

About the Institute

The ICAR-Indian Institute of Vegetable Research (ICAR-IIVR), Varanasi is a major Institute devoted to research and development of vegetables and is situated in the greater periphery of the Holy city Varanasi. Since its inception, the institute has established an excellent infra-structure and made significant contribution in the field of vegetables improvement, production, protection and extension. So far besides other technologies, institute has developed 11 hybrids and 53 varieties in 18 different vegetable crops.

Course outline

Basic principle, selection of location and isolation distances for vegetable hybrid seed production; Agro-techniques for hybrid seed production; Inspection and certification of seed crops; Techniques in hybrid seed production - Selection of parents; Planting ratio; Maintenance of genetic purity; Emasculation & pollination; Standardization/Developing methods for testing Distinctness, uniformity and stability (DUS); Heterosis and manifestation of hybrid vigor in vegetable crops; Role of male sterility and self-incompatibility in hybrid seed production; Role of sex regulation in hybrid seed production; Multiplication of vegetative propagated crops; Seed extraction, threshing and cleaning; Seed processing, testing, packing and storage.

Course duration

The course duration is 12 days scheduled from 12-23 September, 2017. The participants are requested to make their travel plan to arrive latest by 11th Sept. 2017 and to leave by 23rd September 2017 evening after 17.00 hrs.

Eligibility & Nomination

This training program is open for technical personnel working in different ICAR Institutes/ SAUs/ CAUs/ KVKs under ICAR institute. The total number of participants will be restricted to **twenty (20 Number)**. Eligible and interested participants are requested to send their application in the prescribed format duly nominated by their competent authority to the Director, ICAR-IIVR, Varanasi on or before the last date by email, fax or post.

Registration Fees

There will be no registration fee for the participants from ICAR Institutes, however the participants from SAUs/ CAUs/ KVKs under ICAR Institutes will have to pay an amount of Rs. 3000/- (rupees three thousand only) as registration fee to **State Bank of India, Branch Code 14905, Indian Institute of Vegetable Research, Varanasi, Current Account No.-30156620659 IFS Code- SBIN0014905** or through Bank draft/cheque drawn in favour of **ICAR Unit IIVR** Payable at SBI, Varanasi

Travel Allowances and Accommodation

The TA/DA, boarding & lodging of the participants will be borne by their parent Institute. The accommodation facility will be provided at our Guest House on twin sharing basis. Participants are requested not to bring their family members along with them as the guest house facility available here is limited.

How to Reach ICAR-IIVR

ICAR-Indian Institute of Vegetable Research is situated 25 km away from Railway Station on the outer periphery of the Holy city Varanasi. The participants can reach the institute (near Adalpura on Railway Station-DLW-Adalpura Road), either by Auto or by some other means of road transport. The Institute will provide transport to the interested participant provided they send their advance travel plan to the Course Coordinator.

Important Dates

- ❖ Last Date to Apply : **31st August 2017**
- ❖ Communication to Participants: **04th September 2017**
- ❖ Commencement of Training Program: **12th September 2017**

Contact Persons and Address for Correspondence

- Dr. B. Singh**, Director, ICAR-IIVR & Course Director
- Dr. Neeraj Singh**, Course Coordinator, +91-9415993837
- Dr. Sudhakar Pandey**, Course Coordinator, +91-9415371451

Registration Form
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Varanasi-221305

- 1. Name (in block letters)**
- 2. Designation**
- 3. Present employer and address**
- 4. Full correspondence address:**

Email ID.

Mob. No.

- 5. Date of birth & age**
- 6. Gender: Male/Female**
- 7. Working experience (years):**
- 8. Nature of Work:**
- 9. Educational Qualification:**

(Signature of Applicant)

Recommendations of forwarding Institute

Certified that the information furnished above is true and correct as per office record

Signature and designation of forwarding authority
with official seal and date