

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

20-24 January, 2025



ICAR-Indian Institute of Vegetable Research
Post Bag 01, PO- Jakhini (Shahanshahpur)
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An ISO 9001:2015 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 seed 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. At present ICAR-IIVR has research programs on altogether 42 vegetables.

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; Nursery Management in vegetable crops; threshing and cleaning; Seed processing, testing, packing and storage.

Course duration

The course duration is five days scheduled from 20-24 January, 2025.

Eligibility & Nomination

This training program is open for technical personnel working in different ICAR Institutes/ SAUs/CAUs/ICAR funded KVKs. 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 Course Coordinator on or before the last date by e-mail.

Registration Fees

There will be registration fee of Rs. 1000/- for the participants from ICAR Institutes, however the participants from SAUs/ CAUs/ ICAR funded KVKs will have to pay an amount of Rs. 5000/- (Five thousand only) as registration fee to Institute's account through RTGS/NEFT at '**ICAR Unit IIVR, Varanasi**' Current Account No. – **30156620659; IFS Code - SBIN0014905, State Bank of India, IIVR, Varanasi.**

Travel Allowances and Accommodation

The **TA/DA, boarding & lodging** of the participants will be borne by their parent Institute. Only session tea and working lunch will be provided from host Institute. Breakfast & dinner will be available on payment basis. The accommodation facility will be provided at our Guest House on twin sharing basis on payment. 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 Varanasi Railway Station on the outer periphery of the Holy city Varanasi. The participants can reach the Institute (near Adalpur on Varanasi Railway Station – BLW – Chunar Road), either by Auto/taxi or by some other means of road transport.

Important Dates

- ❖ Last Date to Apply : **15 January, 2025**
- ❖ Commencement of Training Program: **20 January, 2025**

Contact Persons and Address for Correspondence

- Dr. N. Rai**, Director, ICAR-IIVR & Course Director
- Course Coordinators:** Dr. Govind Pal (9473821374), Dr. Rajeev Kumar (9871622245) Dr. Nakul Gupta (9414594155), Dr. Pradeep Karmakar (8799567994) and Dr. Neeraj Singh (8957484090)

All communications related to training programme may be made to
drpal1975@gmail.com and rajeev09150@gmail.com

Registration Form
Training Programme on
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ICAR-Indian Institute of Vegetable Research
Post Bag 01, PO- Jakhini (Shahanshahpur), 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:

10. Payment details (Mode of payment, Transaction number, Date of transaction, etc.)

(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**