



ICAR Sponsored



**Ten Days Short Course
Training on**

**“Advances in Variety Maintenance and
Quality Seed Production for
Entrepreneurship”**

February 14 – 23, 2017



Course Director

Dr. Vinod Kumar Pandita

Course Coordinators

Dr. Ashwani Kumar

Dr. Ram Niwas Yadav

**ICAR - Indian Agricultural Research Institute
Regional Station, Karnal, Haryana – 132001**

About the Short Course

Agricultural productivity has increased in our country due to technology based innovations but more production is required to feed ever increasing population. Availability of quality seed is very crucial to increase the production. It is essential to maintain the quality of seed in agriculture sector and availability of good quality seed is the basis for improved agriculture and successful entrepreneurship. Quality seed has high germination capability and high genetic purity which is responsible for increase in the production. Indian agriculture is all set for another green revolution but to achieve a second green revolution availability of good quality seed is must. In our country almost 70% farmers still use 'farmers saved seed'. Use of quality seed can increase our production by 15-20%.

In this regard, seed production techniques have been standardized at the station for most of the field and vegetable crops. The short course training programme on 'Advances in Variety Maintenance and Quality Seed Production for Entrepreneurship' focuses on training young scientists and assistant professors about the recent advances, techniques and other emerging trends in quality seed production.

Subject Areas Covered

- Variety maintenance of field and vegetable crops
- Advances in quality seed production
- Agronomic advances in management of seed crops
- Recent advances in plant protection of seed crops
- Physiological aspects of seed quality
- Use of DNA markers for testing genetic purity of seeds
- Production of high quality seedlings under protected environments
- DUS and IPR issues

About IARI RS, Karnal

The Regional Station at Karnal established in 1923, is one of the first Stations of the Indian Agricultural Research Institute (IARI), New Delhi. The location stands at 29.1-29.5° N and 76.3-77.1° E, at an elevation of 243m above mean sea level. It has about 106 ha of land, out of which 90 ha is under cultivation. The climate is sub-tropical with mean maximum temperature ranging between 34-39° C in summer and mean minimum temperature ranging between 6-7°C in winter. The mean annual rainfall is around 744mm. The soil is clay to clay loam, deep, well drained and productive for growing a large number of crop varieties.

This premier Agricultural Institute of the country has evolved a number of high yielding crop varieties. This Station has been a major partner in spreading and sustaining the green revolution in the country through seeds of high yielding improved crop varieties. Now it is working with a mission of 'Serving the Nation with High Quality Seeds and Planting Materials'. Maintenance of different crop varieties, which are in high demand, is being taken up at the station. Research activities are also conducted for upgradation of seed productivity and quality.

Travel and Accommodation

The participants will be paid for the journey, to and fro, restricted to AC-II-tier train fare or bus. TA will be paid from the place of duty to the short course training location (Karnal) and back by the shortest route.

Facilities for boarding and lodging will be made available for the participants free of cost at IARI RS, Guest House. Local participants are not eligible for boarding and lodging, however, local hospitality i.e. working lunch, tea, etc. will be provided.

How to Reach Karnal

The Station is located in Karnal on National Highway No. 1, about 130 km north of Delhi. It is well connected by road and rail from Delhi.



Contacts

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Print Screen Image of CBP vortal for online application for the training programme



<http://www.icar.org.in/> → **Capacity Building Programmes**

How to Apply

A vortal (a vortal geared towards a specific niche audience with focused content) has been developed and implemented to facilitate the online management of all training programmes including Short course training programmes sponsored by Agricultural Education Division, ICAR. Scientists and Assistant Professors, involved in crop improvement and seed production, interested in attending the Short Course are requested to use the portal that can be accessed through <http://iasri.res.in/cbp> or under the link Capacity Building Program at <http://icar.org.in>. Applications will be received online only. After filling the online application, take a printout of the application and get it approved by the competent authority of the organization. Upload the scanned copy of application through CBP vortal. Selection of trainees will be intimated online. Last date for applying through online is 15.01.2017. Kindly see the web links provided for online submission of applications.

Eligibility

Master's Degree in Agriculture or Horticulture with specialization in crop improvement and seed production and working not below the rank of Assistant Professor or Scientist or equivalent in NARS (ICAR or SAUs)

Last Date to Apply: 15th January, 2017