

Report
on
Training on Seed and Nursery Technology for students of KV-
FRI
(23rd to 25th July-2025)
Venue: KV FRI

A three-day training programme on Nursery and Seed Technology was conducted by Extension Division, ICFRE-Forest Research Institute, Dehradun for 90 students (6th class) of KV FRI from 23rd to 25th July, 2025 under prakirti programme. The training aimed to provide practical knowledge and hands-on experience in nursery management, seed handling, and propagation techniques.

The first day of the training was affected due to heavy rainfall. As a result, field activities could not be carried out. However, the students were briefed about the objectives of the training programme and the importance of seed nursery techniques in forestry and plantation management.

On the second day, the students were engaged in following practical demonstration activities:

Bed Preparation: Demonstration on preparation of nursery beds suitable for seed germination. Three types of nursery beds were prepared i.e, Raised Bed , Level Bed and Sunken Bed. Students were brief about the suitability of different types of nursery beds for different climatic conditions.

Shade House Preparation: Construction of a simple low cost shade house made up of bamboo poles to provide partial shade for seedlings. Students were briefed about the components of shade house and why it is important to have shade house in nursery.

Potting Mixture: Demonstration on preparation of ideal soil mixture, with the correct ratio of soil, sand, and FYM (Farm Yard Manure) for healthy plant growth. Students were also briefed about sandy soil and clayey soil.

The final day focused on plant propagation techniques:

Containers: Students were briefed about various containers used in nursery viz. Polybags, Root trainers, Germination trays etc. After this one polybag were given to each student for filling the potting mixture.

Plant Propagation through Seeds: Demonstration and hands-on practice of proper seed sowing methods for high germination rates. Seeds of 5 different species (*Melia dubia*, *Lagerstroemia speciosa*, *Cassia glauca*, *Callistemon viminalis* and *Taxodium* sp.) are sown in nursery beds, polybags and Root trainers. Before sowing they were briefed about the proper depth and orientation of seed sowing.

Plant Propagation through Cuttings: Demonstration were also carried out for asexual mode of propagation. In this we have selected medicinal plants viz. *Barleria prionitis*, *Pogostemon* sp.,

Ocimum sanctum, *Tinospora cordifolia*, *Ginkgo biloba*, *Mansoa alliacea* etc and demonstrated the techniques for preparation of stem cuttings and proper way of planting these cuttings.

The training provided the KV FRI students with essential theoretical and practical knowledge on seed and nursery techniques. The participants actively engaged in the activities and gained valuable skills in plant propagation and nursery management.

The Training programme was successfully conducted under the guidance of Smt. Richa Misra, HoD Extension Division and executed by Dr. Charan Singh (Scientist-F), Sh. Rambir Singh (Scientist-E), Sh. Lokinder Sharma (Scientist-C), Sh L. R. Laxmikant Panda (Scientist-C) and Sh. Sandeep Kumar (In-charge Central nursery). In addition the training programme was successfully executed with the active involvement of Shri. Naveen Chauhan, Shri. Pawan Devshali, Shri Amit Singh, and Sh. Shri Ravindra Kumar.

Glimpses of Training

