

One Week Training Course for the Staff of the Research Circle, Uttarakhand Forest Department

“Modern Nursery Techniques for Raising Quality Nursery Stock of Important Himalayan Forestry Species”

HFRI, SHIMLA, 22nd to 26th October, 2018

On the request of Uttarakhand Forest Department, Himalayan Forest Research Institute, Shimla organized one week training course for the staff of the research circle, Uttarakhand Forest Department, on ***“Modern Nursery Techniques for Raising Quality Nursery Stock of Important Himalayan Forestry Species”*** at HFRI, Shimla from 22.10.2018 to 26.10.2018. A total of 10 forest officials at the level Assistant Conservator Forests, Forest Range officers, Foresters and Forest Guard participated in the said training programme which was inaugurated on 22.10.2018.

The inaugural function of the training programme started with a brief introduction by **Dr. Sandeep Sharma, the Course Coordinator**. He while welcoming the Chief guest and officials from Uttarakhand Forest Department, briefly explained the schedule of the five days training course and told that the resource persons from different fields will interact and deliver lecture on the different aspects of modern nursery techniques for raising of quality planting stock. He also informed that the participants will also be taken to the nurseries and temperate alpine forests which will increase the practical knowledge of the participants.



Dr. Sandeep Sharma, Course Coordinator

Director, HFRI welcoming the Chief Guest

Dr. V. P. Tewari, Director HFRI welcomed the Chief Guest of the Training programme **Sh. Ajay Kumar Lal, IFS, Additional Principal Chief Conservator Forests (Research), Himachal Pradesh Forest Department** and thanked the Chief Guest to spare time for this training programme from his busy schedule. Dr. Tewari briefly informed the participants about the institute and the latest work done by HFRI in the field of forestry research, education and extension. He welcomed the participants of the training programme and thanked Uttarakhand Forest Department for choosing HFRI for organizing this important training programme.

The Chief Guest, Sh. Ajay Kumar Lal, IFS, APCCF (Research), Himachal Pradesh, in his inaugural address, highlighted that the main work of the forest officials and frontline staff of forest

department is to raise the nursery and carry out plantation works in the field. He told that it is always a challenge to raise the quality planting stock of the desired forestry species and hence, this kind of training programme, which is specifically focused on raising the quality planting stock of forestry species through modern nursery techniques, is quite relevant and necessary in the present time. He further added that the forestry plants have a long gestation period and what we do today will have implications in the decades to come. Therefore, only quality planting stock should be used in the plantation works to raise the quality and productivity of our forests. Praising HFRI, Shimla he said that HFRI is doing very good work in the field of forestry research and the Institute has a well experienced research staff to organize such training programmes. He hoped that the training programme would surely add to the knowledge of officials and will ultimately benefit the society at last.



Dr. V.P.Tewari, Director, HFRI

Sh. Ajay Kumar Lal, IFS, APCCF (Res.), HPSFD

Dr Sandeep Sharma, Scientist –G and Course Coordinator, proposed formal vote of thanks on this occasion. He specially thanked chief guest Sh. Ajay Kumar Lal, IFS, APCCF (Res.) for sparing his valuable time and gracing the occasion as Chief Guest of the inaugural session.

During the **Five days Training Programme** experts from HFRI, State Forest Department and University, delivered talks on various aspects of modern nursery techniques, quality planting stock and ideal nursery practices. The different topics covered in the training programme were Modern Nursery Techniques and Production of Quality Stock for Productivity Enhancement; Collection, Handling, Storage, Dormancy and Pre-Sowing Treatment of Forest Seeds; Diseases in Forest Nurseries and Their Management; Seed Technology and Artificial Regeneration Technique of *Juniperus polycarpus* C. Koch (Himalayan Pencil Cedar); Intercropping of Medicinal Plants for Diversification and Augmentation of Rural Income; Improved Nursery Techniques of Harar, Bahera, Aonla and Reetha; Designing, Layout, Data Recording, Compiling and Analysis of Data of Forestry Experiments; Organic Farming: Composting and Vermi-Composting Techniques; Role of Tree Improvement in Production of Quality Planting Stock in Productivity Enhancement; Containerized Nursery Technique of Conifers and Important Cold Desert Species; Paulownia- A Multipurpose

Tree; Watershed Management in Himalayan Region; Insect-Pest Management in Nursery; Introduction: Global Positioning System (GPS); Field visit to Deodar Forest and Model Nursery Baragaon, Shimla; Why Mountains matter for Forests and Biodiversity?; Rehabilitation of Forest Areas Infested with Lantana and Measuring Trees and Forests.



Dr. Kamal Sharma, Principal Scientist Delivering Lecture



Sh. Hitender Sharma, HPFS



Sh. Sanjeev Kumar Thakur, HPFS



Dr. Rajesh Sharma, Scientist-G, Delivering Lecture

The officials were taken for field visit to Kufri and Shillaru Research Nursery of HFRI where the trainees interacted with the officials of Himachal Pradesh Forest Department. The trainees were also taken to the alpine pasture at Hattu and were introduced to various medicinal plants on the way. They also visited Indian Institute of Advanced Studies, Deodar forests in Shimla town for Field demonstration of GPS applications and different research laboratories at HFRI.



Field Visit to Shillaru nursery and interaction with the officials of HPSFD



Laboratory visit at HFRI, Shimla

The closing session of the training programme was chaired by **Dr V.P. Tewari, Director, HFRI**. Delegates interacted freely and gave their valuable feedback during this session. Sh. R.C. Kandpal, ACF told that the programme was quite interesting and informative and thanked organizers for organizing this event. The trainees said that they will surely implement the new nursery techniques learnt here in their day-to-day work which will definitely benefit them in managing and producing quality nursery stock of the desired species. At the end, Director, HFRI distributed certificates to the trainees for successfully completing the training course.

Dr. Sandeep Sharma, Scientist–G and Course Coordinator formally presented the vote of thanks in the end of the training programme. He specially thanked Sh. Ajay Kumar Lal, IFS, APCCF (Res.), for accepting the invitation to be the Chief Guest during the Inaugural sessions; resource persons for delivering lectures during the training course and also the Uttarakhand officials for their wholehearted participation. He also thanked Director, HFRI for guiding and motivating whole organizing team the organizing team for their active and dedicated efforts for making this training course a success.

Some Glimpse of the Training





उत्तराखण्ड के वन अधिकारियों को ट्रेनिंग दे रहा एचएफआरआई

शिमला। हिमालयन वन अनुसंधान संस्थान उत्तराखण्ड वन विभाग की सिफारिश पर उनके अधिकारियों को हिमाचल की महत्वपूर्ण वानिकी प्रजातियों की उच्च गुणवत्ता वाले पौधे तैयार करने के लिए प्रशिक्षण दे रहा है। सोमवार से शुरू हुए चार दिवसीय प्रशिक्षण कार्यक्रम के दौरान कर्मचारियों को आधुनिक पौधशाला तकनीक से अवगत कराया जाएगा। प्रशिक्षण में उत्तराखण्ड वन विभाग के सहायक वन संरक्षक, वन क्षेत्राधिकारी तथा वन दरोगा स्तर के 10 अधिकारी भाग ले रहे हैं। पहले दिन के दौरान हिमालयन वन अनुसंधान संस्थान के निदेशक डॉ. वीपी तिवारी, एपीसीसीएफ शोध अजय कुमार समेत कई वरिष्ठ अधिकारी मौजूद रहे।