

PLANTING STOCK IMPROVEMENT FOR ENHANCEMENT OF PRODUCTIVITY

A TRAINING PROGRAMME FOR PERSONEL OF OTHER STAKEHOLDERS

(Funded by the Ministry of Environment, Forest & Climate Change, Government of India, New Delhi)

Organized by

HIMALAYAN FOREST RESEARCH INSTITUTE, SHIMLA

(29th – 31st October, 2018)

Himalayan Forest Research Institute (HFRI), Shimla organized a three-day training programme on '**Planting Stock Improvement for Enhancement of Productivity**' from **29th to 31st October, 2018**. This training programme was sponsored by the Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India, New Delhi for other stakeholders and accordingly, the participants from JFMCs, NGOs, Panchayat Watershed Committees, Education Institutions, Block Development Offices, Departments of Agriculture and Horticulture, Eco-clubs etc. of the state of Himachal Pradesh participated in this 3 days training programme. The training programme aimed at sensitization of the trainees about various forestry practices and operations towards productivity enhancement and to initiate efforts to increase the productivity *vis-a-vis* environmental conservation.

Dr. V.P. Tewari, Director, Himalayan Forest Research Institute, Shimla inaugurated the training programme. Dr. Tewari, in his inaugural address, informed about the gap and supply of forest produces especially, timber and fuel wood and highlighted the importance of quality planting stock in afforestation programmes for productivity enhancement. He also stressed on the need for such trainings to initiate collaborative efforts to achieve the goals of higher productivity.

Before the start of technical sessions, **Dr. Rajesh Sharma, Scientist-G & Coordinator** of the training programme highlighted the importance of this training for personnel of other stakeholders and relevance of Planting Stock Improvement in productivity enhancement.

During the first technical session, Sh. Jagdish Chander, APCCF (Research) Haryana, delivered a talk on the tree improvement programme in the state of Haryana and highlighted the significance of commercially important indigenous tree species like Shisham, Toona, Semul etc. for the state of Himachal Pradesh. Dr. Ramakant, Scientist-C from Forest Research Institute (FRI), Dehra Dun talked about clones and clonal forestry and its importance in productivity by citing examples of the work carried out by the ICFRE institutes. Sh. R.K. Meena, Scientist-D, FRI, Dehra Dun talked about Clonal Forestry and Mass Multiplication of trees by conventional and advance techniques.

In the afternoon, Dr. Santhan Barthwal Scientist-F from FRI, Dehra Dun discussed about various techniques of vegetative propagation and its role in tree improvement. Dr. K.K. Pramanik, Principal Scientist and Head, IARI Regional Station, Shimla delivered a talk on

Nursery production of temperate fruit crops emphasized on various methods of propagation of fruit crops for raising quality planting stock which ultimately contributes for increased productivity.

On the second day (30.10.2018), the participants were taken to the field to show Planting Stock Improvement activities undertaken by HFRI. At HFRI Field Research Station, Shillaru, Dr. Sandeep Sharma, Scientist-G & Head, Silviculture & Forest Management Division of the institute talked about the Modern Trends in Nursery Management for raising quality planting stock. Dr. Sharma discussed at length cost effective nursery management of poly tunnels and Vermi-compost besides highlighting the issues related with transportation of plants that determines the success of forestry plantations. Thereafter, Sh. Sunil Waman Bhondge and Sh. Vinod Kumar, ACTO, HFRI, Shimla demonstrated and explained various activities carried out by the institute in establishing Seed production Areas (SPAs) of deodar. The participants were also taken to Shillaru, Kandyali and Narkanda to show them Candidate Plus Trees selected by the institute and various other activities being undertaken for raising quality planting stock.

On the third (31.10.2018) of the training, Prof. Sanjeev Thakur from Dr. Y.S. Parmar University of Horticulture & Forestry, Nauni, Solan delivered a talk on Propagation of forestry trees by grafting and discussed the grafting work carried out in Harad, Baheda and Amla. Dr. Narender Negi, Scientist, NBPGR, Shimla deliberated upon Selection of Superior Genotypes in Productivity Enhancement with special emphasis on Horticultural crops and highlighted the roles of selection process for better output. Sh. G.S. Thakur DCF (Retd.) talked about Soil and water conservation for sustainable development and described and demonstrated various measures taken by the forest department in its pursuit of afforestation activities. He stressed on techniques for conservation of soil moisture in afforestation activities as it has positive correlation with the forest productivity.

The concluding session, in the late afternoon, was chaired by **Dr. V.P. Tewari, Director, HFRI, Shimla** in which queries of the participants were addressed and feed back from the trainees were taken. The participants supported in unison to hold such training programmes frequently. In his concluding remarks, the Chairman further highlighted the importance of such training programmes wherein personnel of other stakeholders have been involved not only to inculcate the feelings towards forestry activities but also to have integrated approach in future endeavours. He also thanked the MoEF&CC, Govt. of India for sponsoring this training programme and also to different participating departments for joining their hands to make this training programme a success. He also distributed *Certificates of Participation* to all the participants..

In the end, **Sh. Sunil Waman Bhondge**, ACTO proposed formal vote of thanks to the MOEF&CC, GoI for funding the training programme, Director, HFRI for his guidance, different departments and agencies for sending their representatives to the training programme, the distinguished resource persons from different institutes and everyone associated with the training programme for their help and assistance during the training programme.

Some Glimpse of the Training Programme





News paper clippings

वन अनुसंधान संस्थान में सेमिनार

शिमला - हिमालयन वन अनुसंधान संस्थान, शिमला में उत्पादकता बढ़ाने के लिए पौधरोपण स्टॉक में सुधार पर तीन दिवसीय प्रशिक्षण का शुभारंभ हुआ। प्रशिक्षण कार्यक्रम का शुभारंभ डा. वीपी तिवारी, निदेशक, हिमालयन वन अनुसंधान संस्थान, शिमला ने किया। उन्होंने अपने संबोधन में पर्यावरण के क्षेत्र में सुधार पर जोर देते हुए कहा कि अच्छी उत्पादकता वृक्षरोपण कार्यक्रम के लिए जरूरी है तथा विभिन्न हितधारक इसमें अहम भूमिका निभाते हैं। उन्होंने वन उत्पादकता को महत्वता पर प्रकाश डाला तथा जनसंख्या वृद्धि के कारण हो रही विभिन्न समस्याओं के निष्पादन हेतु अच्छी वन उत्पादकता को जरूरी बताया। उन्होंने कहा कि पौधरोपण सामग्री सही नहीं होगी तो हमें आवश्यक गैर अक्राफ्ट वन उत्पाद की कमी, जलवायु परिवर्तन कार्बन पृथक्करण जैसी विभिन्न समस्याओं से जूझना पड़ सकता है। उन्होंने गुणवत्ता भंडार के महत्व पर प्रकाश डाला तथा गुणवत्ता पौधरोपण भंडारण की उपयोगिता, प्रतिरूपण वामिकी एवं प्रबंधन से संबंधित विषयों को महत्वता को अगली पीढ़ी को सौंपने हेतु पर्यावरण से संबंधित मूलभूत सुविधाओं को अति आवश्यक बताया। डा. राजेश शर्मा, वैज्ञानिक प्रशिक्षण समन्वयक ने प्रतिभागियों का स्वागत किया तथा प्रशिक्षण कार्यक्रम के बारे में विस्तृत जानकारी दी तथा बताया कि प्रशिक्षण कार्यक्रम में पर्यावरण, वन एवं जलवायु परिवर्तन विषयों पर चर्चा की जाएगी। इन्होंने जानकारी देते हुए बताया कि इस कार्यक्रम में पंचायती राज, कृषि विभाग, इको टास्क फोर्स, पशु पालन विभाग, संयुक्त वन प्रबंधन समिति, विभिन्न स्कूलों से शिक्षक तथा गैर सरकारी संगठन के लगभग 30 प्रशिक्षणार्थी भाग ले रहे हैं।

पौधरोपण सामग्री में सुधार की जरूरत



एकराई में आयोजित प्रशिक्षण कार्यक्रम में भाग लेते प्रतिनिधि © जागरण

राज्य सूत्रो, शिमला : उत्पादकता बढ़ाने के लिए पौधरोपण सामग्री में सुधार विषय पर प्रशिक्षण कार्यक्रम शिमला में शुरू हुआ। हिमालयन वन अनुसंधान संस्थान में आयोजित कार्यक्रम तीन दिन तक चलेगा।

प्रशिक्षण कार्यक्रम का शुभारंभ निदेशक डॉ. वीपी तिवारी ने किया। उन्होंने वन उत्पादकता की महत्ता

बताई। उन्होंने कहा कि पौधरोपण सामग्री सही नहीं होगी तो हमें आवश्यक गैर अक्राफ्ट वन उत्पाद की कमी व जलवायु परिवर्तन जैसी समस्याओं से जूझना पड़ सकता है। इसलिए पौधरोपण सामग्री में सुधार की जरूरत है। जनसंख्या की बढ़ती दर से कृषि, वन उत्पादन की मांग व पूर्ति में असंतुलन आ गया है। नतीजतन

जमीन की उत्पादकता कम हो रही है। इस कारण पौधरोपण जरूरी है। वैज्ञानिक डॉ. राजेश शर्मा ने बताया कि प्रशिक्षण कार्यक्रम में पंचायती राज, कृषि विभाग, इको टास्क फोर्स, पशुपालन, संयुक्त वन प्रबंधन समिति और विभिन्न स्कूलों से शिक्षक व गैर सरकारी संगठन प्रशिक्षणार्थी हिस्सा ले रहे हैं।