

## **FIVE DAYS TRAINING**

**on**

### ***Cultivation and utilization of medicinal plants***

**[19<sup>th</sup> to 23<sup>rd</sup> September, 2016]**

Medicinal plants play a vital role in pharmaceutical field. They are widely used in Ayurveda and are closely associated with human health. They exist in natural forests but their over extraction from natural forests, created a threat to their existence in the nature and there the only option is to grow them outside forests. The suitable and approachable area to establish them is the farm field but economic value addition for farmers is a need of today.

Keeping in view, the Forest Research Institute (FRI), Dehradun conducted 5 days training from 19<sup>th</sup> to 23<sup>rd</sup> September, 2016 on “Cultivation and utilization of medicinal plants” for the farmers of Uttarakhand. The was inaugurated at Shatabdi Van Vigyan Kendra by Dr. N. S. Bisht, IFS, Dy. Director, General, Extension and Director, Internal Cooperation, Indian Council of Forestry Research and Education (ICFRE), Dehradun.

In his inaugural address he told that there is a wide scope of medicinal plants based farming in Uttarkhand as the state is rich in basic resources required for cultivation of these valuable medicinal plants. He said that knowledge on climatic and site suitability for growing these plants should be with the farmers so that farmers may be able to grow a suitable species according to climate and site. He quoted that quality of seedlings, always counts because a good quality seedling produces a good quantity of product. He advised that there should be Self Help Groups (SHGs) at village and block levels to share the knowledge on cultivation and marketing of their produces. He also mentioned that Cooperatives if formed in rural areas may help in good marketing of produces. He suggested that cultivation of a species should be done according to the demand of market in a particular area. Besides, he told that a scientific harvesting, storage and processing technology of medicinal plants may enhance the productivity.

Shri Sandeep Kujur, Head, Extension Division presented the welcome address. While welcoming the participants, he said that the participants shall not only learn or improve their skills with our subject experts but will apply in their respective areas and teach others. He also emphasized on promotion of medicinal plants on farmland in Uttarakhand.

During technical session, interactive talks were made on following topics:

- Collection, processing and storage of seed of important medicinal plants
- Pre-sowing treatment for enhancing seed germination
- Raising of medicinal plants in nursery
- Hi-Tech Nursery of medicinal plants
- Vegetative propagation of medicinal plants
- Mushrooms as medicine and tonic-Their propagation for livelihood
- Potting mixture preparation in nursery and amendment to soil
- Planting technique of seedlings in field
- Cultivation and management of medicinal plants in nursery and plantation area
- Medicinal plants based agroforestry
- Insect pests of medicinal plants and their eco-friendly management
- Diseases of medicinal plants their management
- Utilization of Medicinal and aromatic plants
- Scientific harvesting techniques of Medicinal plants
- Processing of medicinal plants
- Economics and marketing of medicinal plants

Beside above interactive talks, a special interactive talk of Representative from National Bank for Agriculture and Rural Development (NABARD), Dehradun was also arranged for farmers. In this interactive talk, information was focused on use of Kisan Credit Card (KCC), limit of loan through KCC on the basis of land holding, constitution and importance of Kisan Clubs and function of Farmer Producer Organization (FPO).

There was a visit of Museums, Central nursery, Bambusetum and Photogallery of FRI. A visit of Choudhary Devi Lal Herbal Garden, Khizarabad, Distt. Yamunanagar (Haryana) was also conducted for trainees.

The training was completed successfully on 23<sup>rd</sup> September, 2016. Shri Sandeep Kujur, Head, Extension Division, FRI distributed certificates to all trainees and congratulated team of Extension Division, all resources persons, and other associated members for a successful completion of training and better hospitality for trainees during training period. In closing ceremony of training programme, trainees appreciated the training course and resource persons. They also appreciated the institute and team of Extension Division for better hospitality and other facilities.

Dr. Charan Singh, Scientist-C, Dr. Devendra Kumar, Scientist-D, Shri Rambir Singh, Scientist-C, Shri P. K. Gupta, Scientist-C (Retd.) and other team members contributed a lot in organizing the training.

## Glimpses of the training



Dr. N. S. Bisht, IFS, DDG, Extension and Director, Internal Cooperation, (ICFRE), Dehradun addressing the farmers



Shri Sandeep Kujur, Head Extension Division interacting with farmers







Shri Rambir Singh, Paying Vote of Thanks



Subject Expert on Talk



Subject Expert on Talk



Subject Expert on Talk





Representative from NABARD interacting with farmers



Farmer's view





Farmers in FRI Photogallery



Farmers on visit of Choudhary Devi Lal Herbal Garden, Khazirabad,  
Distt. Ymunanagar (Haryana)



Faculty and trainees altogether



# Press Clippings

The Pioneer (21-9-2016)

## Concern over excessive extraction of medicinal plants

PNS ■ DEHRADUN

Plants with medicinal and other properties play a major role in the sphere of pharmaceuticals. Such plants which are widely used in Ayurveda system of treatment are closely associated with human health. However, due to the indiscriminate and excessive extraction of such plants from natural forests their existence in natural surroundings is under threat. Growing such flora in farm fields is one option but economic value addition for farmers also needs to be focused on while undertaking this effort. These views were shared by experts at a five-day training on cultivation and utilisation of medicinal plants for farmers of Uttarakhand currently underway at the Forest Research Institute.

Addressing the gathering as the chief guest on the occasion, the deputy director general of the Indian Council of Forestry Research and



A subject expert addresses participants at a short training on cultivation and utilisation of medicinal plants in FRI

Pioneer photo

Education (ICFRE) NS Bisht spoke of the considerable scope for medicinal plant based farming in Uttarakhand as the state is rich in basic resources

required for cultivation of these valuable medicinal plants. He said that knowledge on climatic and site suitability for growing these plants should

be with the farmers so that farmers may be able to grow a suitable species according to climate and site. Stressing on the need for maintaining the

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quality of seedlings, he said that this is vital as a good quality seedling produces a good quantity of produce. Self help groups should be formed at the village and block levels to share the knowledge on cultivation and marketing of their produce.

If formed in the rural areas, cooperatives may help in facilitating good marketing of produce obtained from medicinal plants. He stressed that the cultivation of a species should be done according to the market demand in a particular area. Further, factors like scientific harvesting, storage and processing technology of medicinal plants may enhance the productivity, he added.

अमर उजास 21-9-2016

### औषधीय खेती के लिए प्रशिक्षण शुरू

देहरादून (ब्यूरो)। औषधीय पौधों की खेती के संबंध में जानकारी देने के लिए वन अनुसंधान संस्थान में मंगलवार को पांच दिवसीय प्रशिक्षण कार्यक्रम की शुरुआत हुई। इस मौके पर बताया गया कि औषधीय पौधों का मानव जीवन से गहरा संबंध है। शताब्दी वन विज्ञान केंद्र में उप महादेशक विस्तार डा. एनएस बिष्ट ने बताया कि औषधीय पौधों की खेती के लिए राज्य में पर्याप्त आधारभूत संसाधन हैं। उन्होंने कहा कि इन पौधों को उगाने के लिए जलवायु एवं स्थान उपयुक्तता का ज्ञान किसानों को होना चाहिए। इससे उपयुक्त प्रजातियों को उगाने में सफलता प्राप्त की जा सकती है। उन्होंने सलाह दी कि खेती एवं बाजारिकरण का ज्ञान बांटने के लिए ग्राम एवं ब्लॉक स्तर पर स्वयं सहायता समूह होने चाहिए। कार्यक्रम में संदीप कुजूर, रामवीर सिंह ने विचार व्यक्त किए।



# Training on "Cultivation and utilization of medicinal plants" at FRI

DEHRADUN,  
SEP 20 (HTNS)

Medicinal plants play a vital role in pharmaceutical field. They are widely used in Ayurveda and are closely associated with human health. They exist in natural forests but their over extraction from there has created a threat to their existence in the nature and the only option is to grow them outside forests. The suitable and approachable area to establish them is the farm field and economic value addition for farmers is a need of today.

Keeping in view, Forest Research Institute (FRI) is conducting a 5 day training from Sep 19 to 23 on "Culti-

vation and utilization of medicinal plants" for the farmers of Uttarakhand.

The training was inaugurated at Shatabdi Van Vigyan Kendra by Dr NS Bisht, Dy. Director, General, Extension and Director, Internal Cooperation, Indian Council of Forestry Research and Education (ICFRE), Dehradun. In his inaugural address, he told that there is a wide scope of medicinal plants based farming in Uttarakhand as the state is rich in basic resources required for cultivation of these valuable medicinal plants. He said that knowledge on climatic and site suitability for growing these plants should be



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Dr Charan Singh conducted the programme and Rambir Singh, Scientist-C, expressed vote of thanks.

CM