

**HIMALAYAN FOREST RESEARCH INSTITUTE**  
**CONIFER CAMPUS, PANTHAGHATI, SHIMLA-171 013 (HIMACHAL PRADESH)**

**One day training on the Application of AM biofertilizers in organic  
cultivation of medicinal plants: A Report**

**December 12, 2022**

**Himalayan Forest Research Institute, Shimla** organized a one day training programme on “**Application of AM biofertilizers in organic cultivation of medicinal plants**” at Van Vigyan Kendra Jagatsukh, Distt. Kullu on 12/12/2022. The training programme was attended by 30 famers of Kullu district. The training was primarily focused on creating awareness among farmers on organic cultivation of temperate medicinal plants by using AM biofertilizers. **Dr. Ashwani Tapwal, Scientist- F, HFRI, Shimla** and Coordinator of the said training programme welcomed the Chief Guest **Mrs. Meera Sharma, IFS, CCF & Director GHNP Kullu, Dr. L.C. Bandana IFS, DFO GHNP Kullu** and the participants. He also appraised the participants about the topics to be discussed in the training programme and highlighted the importance of mycorrhizae in the agriculture and forest ecosystems and artificial application of AM fungi in organic cultivation of medicinal plants. **Dr. Tapwal** informed that HFRI has prepared AM biofertilizers from native mycorrhizal strains and their application in the nursery beds for the cultivation of ‘Chora (*Angelica glauca*)’ and ‘Mushakbala (*Valeriana Jatamansi*)’ enhanced the biomass production.

**Mrs. Meera Sharma** in her inaugural speech, highlighted the importance of biofertilizers and biopesticides in organic cultivation of medicinal plants. She further added that the use of biofertilizers and biopesticide are the cost effective, eco-friendly and sustainable solutions in organic cultivation of crops. She advised the participants to follow eco-friendly means for crop cultivation and disease management and encouraged them to actively participate in the discussion to make the training programme quite fruitful. She also invited HFRI Shimla to conduct similar training programmes for the communities residing in the buffer areas of GHNP Kullu.

During the technical session, Dr. Ashwani Tapwal emphasized the relevance of mycorrhizae in forest ecosystems as well as their importance in organic cultivation of medicinal plants. He detailed the strategies for mass multiplication of AM biofertilizers and performed a live demonstration of the technique for producing AM biofertilizers in pots. Mother cultures of AM biofertilizers were also distributed to the participants.

**Dr. Sandeep Sharma, Director HFRI** discussed user friendly techniques for the preparation of compost and vermicompost at farmer fields and establishment of modern nurseries. He also elaborated cost benefit analysis in reference to use of compost and vermicompost in cultivation of medicinal plants.

**Dr. Jagdish Singh, Scientist F** and Head extension Division HFRI elaborated the organic cultivation of temperate medicinal plants. He also encouraged the farmers for the organic cultivation of medicinal plants and shared about the availability of medicinal plants stock in the HFRI's nursery at VVK Jagatsukh in the coming planting season.

**Dr. Joginder Singh, CTO HFRI**, elaborated importance of millets as organic stable food and shared their cultivation techniques.

The training programme was ended with the vote of thanks by Dr. Ashwani Tapwal.

### GLIMPSES OF TRAINING





दिव्य हिमाचल

# मेरा कुल्लू

जमीन न जुड़ी ही एक अखबार

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## कुल्लू का संकल्प... जैविक खेती पर फोकस करेंगे किसान

### जगतसुख में आयोजित प्रशिक्षण कार्यक्रम में कृषि विशेषज्ञों ने 30 किसानों को दिए टिप्स

**जिलाधीनी टीक अग्रवाल कुल्लू**  
कुल्लू-हिमाचल के जिला प्रशासन द्वारा आयोजित जैविक खेती पर प्रशिक्षण कार्यक्रम में 30 किसानों को विशेषज्ञों ने टिप्स दिए। कार्यक्रम में जिला प्रशासन के अधिकारियों और कृषि विशेषज्ञों की संमेलन में आयोजित कार्यक्रम में 30 किसानों को विशेषज्ञों ने टिप्स दिए। कार्यक्रम में जिला प्रशासन के अधिकारियों और कृषि विशेषज्ञों की संमेलन में आयोजित कार्यक्रम में 30 किसानों को विशेषज्ञों ने टिप्स दिए।

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