

TRAINING ON ‘CULTURE AND MULTIPLICATION OF *TRICHODERMA VIRIDE* FROM ORGANIC WASTES’

(Skill India Training under skill development)

Date: 29 & 30th August 2017

Course co-ordinator: Dr. A. Karthikeyan, Scientist-E, IFGTB, Coimbatore.

Institute of Forest Genetics and Tree Breeding (IFGTB) organized two days training programme on “Culture and multiplication of *Trichoderma viride* from organic wastes” on 29 & 30th August 2017. *T. viride* is a promising bio control agent which controls the root pathogens in agriculture and forestry crops. This bio control agent or bio fungicide is commercially available in the market and used for controlling the tree diseases. IFGTB has developed a technique on *T.viride* multiplication from organic wastes such as rice straw, saw dust, coir pith, dried leaves and dry cow dung. The technology developed by IFGTB will be very useful to Farmers to produce *T. viride* in their farm lands and multiply *T. viride* along with organic wastes on commercial basis. Further, bio control agents like *T. viride* is eco friendly and can replace the chemical fungicides. Therefore IFGTB has decided to share this multiplication technology of *T. viride* from organic wastes with tree growers, Farmers, unemployed youth and agriculture based entrepreneurs through Skill India Training under skill development programme sponsored by Indian Council of Forestry Research and Education (ICFRE), Dehradun.

A total of 25 participants including unemployed school drop outs, unemployed graduates, young farmers and young agriculture based entrepreneurs took part in the training programme. The training was inaugurated by Sh. R.S. Prashanth IFS, Director of the institute on 29th August 2017 and he delivered the inaugural address. In his inaugural address, he emphasized the importance of bio control agents/ bio fertilizers and quoted the examples of successful bio fertilizer companies in and around Coimbatore. He added that this training will give an idea to become entrepreneur in the field of bio pesticides production and also provide a platform for employment. He requested all the participants to utilize the training to learn the techniques on mass production and application of *T.viride*. Dr. J.P. Jacob, Scientist F of the institute welcomed the participants. A brochure on *T. viride* in Tamil language prepared in the institute was released during the inaugural session of the Training programme for the benefit of trainees. At the end of the inaugural session, Dr. A. Karthikeyan, Scientist E & Course coordinator of the training programme proposed vote of thanks.

After the inauguration programme, Dr. A. Karthikeyan Scientist E delivered lectures on *Trichoderma viride*, Symptoms of diseases in tree crops and Bio fertilizers and applications to the trainees. The trainees were also trained in isolation and purification of *T. viride* under lab conditions. In the second day of the training programme, Dr. A. Balu, Scientist- G of the institute delivered a lecture on Bio controlling of pests in tree crops. Later the trainees were trained on multiplication of *T. viride* from organic wastes such as saw dust, rice straw and coir pith in Forest pathology glass house. The trainees were also taken to Tree rich bio booster production unit for learning the technology. The trainees showed enthusiasm, interacted well and got clarified many points during the training programme.

The training programme was concluded on 30th August 2017 with valedictory address by Sh. R.S. Prashanth IFS Director of the Institute. The trainees have also showed much interest to participate in the forthcoming similar kind of training programmes. Shri. R.S. Prashanth, I.F.S., Director, IFGTB distributed the Certificates and *T. viride* inoculums to the trainees during the Valedictory Session. The participants appreciated the efforts taken by IFGTB for organizing the training programme and expressed that it was very much useful to them. At the end of the concluding session, Dr. A. Karthikeyan, Scientist-E and Course Co-ordinator thanked to all for successful completion of the training programme.



Participants of the training programme



Release of *Trichoderma viride* brochure



Practical session on *T. viride*



Culture of *T. viride* in organic wastes



Multiplication of *T. viride* in organic wastes



Demonstration in tree rich bio booster production unit





Distribution of certificates and *T. viride* inoculums to the participants by Director IFGTB.



Group photo of the participants