

**TRAINING CUM DEMONSTRATION ON “BIO-FERTILIZER  
PRODUCTION AND APPLICATION IN NURSERY AND FIELD”  
CONDUCTED UNDER HILL AREA DEVELOPMENT  
PROGRAMME, GOVT. OF TAMIL NADU**

**Venue:** Council Meeting Hall, Panchayat Union Office, Gudalur,  
Nilgiris District, Tamil Nadu

**Date:** 05-06-2015

**Training co-ordinator:** Dr. V. Mohan, Scientist-F, Forest Protection  
Division, IFGTB, Coimbatore

**Funding Agency:** Hill Area Development Programme (HADP),  
Ootacamund, Govt. of Tamil Nadu.

Bio-fertilizers are ready-to-use carrier based formulations of beneficial microorganisms which are applied to seed, root or soil. They mobilize the essential nutrients by their biological activity, and help to build up the micro-flora and in turn improve the soil health. Therefore, in order to provide organic farming, focus has to be given on identification and mass production of efficient and sustainable bio-fertilizers for crop plants so that application of inorganic fertilizer can be reduced significantly.

The Institute of Forest Genetics and Tree Breeding (IFGTB), Coimbatore, has identified different beneficial microbes from various “Shola” forests in the Nilgiri Hills, Tamil Nadu under the project funded by the Hill Area Development Programme (HADP), Govt. of Tamil Nadu. These beneficial microbes were mass produced and applied to various “Shola” tree species and found enhanced growth and biomass in nursery. These beneficial microbes, particularly the Arbuscular Mycorrhizal (AM) fungi have potential as bio-fertilizers and their application to different agricultural, horticultural and forestry crops can enhance productivity. In order to transfer the Bio-fertilizer Technology to the field, IFGTB has taken up a Programme on Training cum Demonstration on “Bio-fertilizer Production and Application Methods in Nursery and Field” to different stake holders like SFD Officials, Farmers, Tree Growers and NGOs of Nilgiris District. First training was conducted on 10-03-2015 at Council Meeting Hall, Panchayat Union Office, Gudalur, Nilgiris district, Tamil Nadu. The second training was

organized on 05-06-2015 during the World Environment Day at Council Meeting Hall, Panchayat Union Office, Gudalur, Nilgiris District, Tamil Nadu. A total of 120 participants like SFD officials, Farmers, Tree Growers and College students attended the training. A training manual in Tamil was also supplied to all the participants.

The welcome address and overview of the training Programme was given by Dr.V.Mohan, Scientist –F and Training Co-ordinator, IFGTB, Coimbatore. The Chief Guest, Shri. Srinivas R. Reddy, I.F.S., Chief Conservator of Forests, Field Director, Mudumalai Tiger Reserve and Project Director, HADP, Udhagamandalam inaugurated the training programme, He emphasized on the need to use bio-fertilizers in agriculture, horticulture and forestry practices. He also added that organic produced vegetables, fruits and food grains are preferred by people and this training will provide a golden opportunity to the people of Nilgiris district to know much about the bio-fertilizers and their application methods. He advised the participants to interact with training coordinator to clarify all their doubts during lecture and demonstration sessions. He also requested that all the participants should utilize this training and learn the techniques on the mass production and use of bio-fertilizers in their nurseries and field.

Dr. V. Mohan, Training Co-ordinator explained in detail about different kinds of bio-fertilizers, their importance, methods of production, maintenance and application methods in nurseries and field. Hands on training on production and application of bio-fertilizers were also imparted to the participants during the training. The Chief Guest distributed the Certificates and Bio-fertilizer samples to all the participants. The training was concluded with vote of thanks proposed by Dr. V. Mohan, Training Co-ordinator, IFGTB, Coimbatore.



**Welcome address by Dr.V.Mohan, Scientist-F and Training Co-ordinator, IFGTB Coimbatore**



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**Participants (Farmers, Tree Growers and SFD Officials) attended the training at Council Hall, Panchayat Union Office, Gudalur**



**Participants (Farmers, Tree Growers, Students and SFD Officials) attended the training at Council Hall, Panchayat Union Office, Gudalur**



**Inaugural address by Shri. Srinivas R. Reddy, I.F.S., CCF., Field Director, MTR and Project Director, HADP, Ootacamund, Nilgiri Hills**



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**Lecture about Bio-fertilizers and its application methods by  
Dr.V.Mohan, Scientist-F & Training Co-ordinator, IFGTB, Coimbatore**



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**Lecture and Interaction about Bio-fertilizers and its application methods by Dr.V.Mohan, Scientist-F & Training Co-ordinator, IFGTB, Coimbatore**



**Lecture and Interaction about Bio-fertilizers and its application methods by Dr.V.Mohan, Scientist-F & Training Co-ordinator, IFGTB, Coimbatore**



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**Lecture and Interaction about Bio-fertilizers and its application methods by Dr.V.Mohan, Scientist-F & Training Co-ordinator, IFGTB, Coimbatore**



**Interaction with the participants about Bio-fertilizers and its application methods by Dr.V.Mohan, Scientist-F & Training Co-ordinator, IFGTB, Coimbatore**



**Interaction with the participants about Bio-fertilizers and its application methods by Dr.V.Mohan, Scientist-F & Training Co-ordinator, IFGTB, Coimbatore**



**Demonstration about Bio-fertilizer Production and Application**



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**Hands on training about bio-fertilizer production to SFD officials and Farmers**



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**Participants writing their feedback about the bio-fertilizer training undertaken**



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**Certificate and Bio-fertilizer packet distribution by the Chief Guest Shri. Srinivas R. Reddy, I.F.S., CCF., Field Director, MTR and Project Director, HADP, Ootacamund, Nilgiri Hills**



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**AM fungal Bio-Fertilizers developed by IFGTB and supplied to Forest officials, Farmers and other stake holders of Nilgiris District**



**VAM bio-fertilizer product distributed to all the participants**



**VAM bio-fertilizer product distributed to all the participants**



**Vote of Thanks by Dr.V.Mohan, Scientist-F and Training Co-ordinator,  
IFGTB, Coimbatore**