

## Two days Training Programme on Disease and Insect Pest Management in Forestry

Name of Event	Two days Training Programme on Disease and Insect Pest Management in Forestry
Date (s)	23.08.2023-24.08.2023
Duration	Two days
Venue	ICFRE-BRC, Bethlehem Vengthlang, Aizawl.
Purpose/Agenda	To impart knowledge, awareness and hands on practice on Disease and Insect Pest Management in Forestry.
No. of Participants	23
Participating Agency (s)	Research Scholars of Pachhunga University College, and Department of Forestry, Mizoram University. Frontline staffs of Forest Training School, Environment, Forests & Climate Change Department, Govt. of Mizoram.
Organizing Agency (s)	ICFRE-Bamboo and Rattan Centre, Bethlehem Vengthlang, Aizawl, Mizoram.
Funding Agency (s)	Indian Council of Forestry Research & Education (ICFRE), Dehradun.

Concise Details of the Event:

### INAUGURAL SESSION

ICFRE-Bamboo and Rattan Centre (ICFRE-BRC), Bethlehem Vengthlang, Aizawl, Mizoram organized a two days training programme on Disease and Insect Pest Management in Forestry, from 23<sup>rd</sup> to 24<sup>th</sup> August, 2023. The target group of this training were M.Sc. students and research scholars of Pachhunga University College and Department of Forestry, Mizoram University and Frontline staffs of State Forest Training School, Environment, Forests & Climate Change Department, Govt. of Mizoram.

In this two days programme, **Prof. H. Lalthanzara**, Principal, Pachhunga University College, Aizawl was invited as the Chief Guest and **Dr. Hans Raj**, Scientist-‘E’, **Shri Sandeep Yadav**, Scientist-‘D’, **Ms. Dorothy Lalrinpuii** (TA), **Ms. Irene Lalrindiki** (JPF) of ICFRE-BRC, Aizawl and **Dr. Shailesh Pandey**, Scientist-‘E’, FRI Dehradun were the resource persons.

The programme commenced with the welcome address by **Dr. Hans Raj**, Scientist-E & Head, ICFRE-BRC followed by the felicitation of the guests. A Presentation on

research and extension activities of ICFRE-BRC was delivered by Dr. Hans Raj. The Chief Guest in his speech expressed his gratitude and thanks to ICFRE-BRC for organizing the training as it holds great relevance to the state of Mizoram. He also congratulated the centre for its various achievements and progress in the research and extension activities. He also encouraged the participants to make the most out of the training programme and benefit from it. He also emphasised for a better collaboration in the field of research and knowledge sharing between ICFRE-Bamboo and Rattan Centre and Pachhunga University College. On the training programme the chief guest emphasised that hand on practice is essential and beneficial for the participants. He said “Biological control is the best controlling insect pest” and it is essential to recognize such strains that are essential for preserving our forests ecosystems. He also stressed that comprehensive understanding of our environment is paramount and it is high time to create a meaningful impact in the society through our research. He also emphasised that benefits of research should be extended to the society and encouraged the scientists at ICFRE-BRC to include local techniques and traditional knowledge in the sustainable management of forests. Lastly, he thanked ICFRE-BRC for conducting the training programme for the young generation of Mizoram and wished success to both participants and ICFRE-BRC. There was introduction round for the participants after this. The vote of thanks was given by Mr. Sandeep Yadav, Scientist-D, ICFRE-BRC. The inaugural session ended with a group photo.

#### DETAILS OF TECHNICAL SESSIONS

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Day 1	<p><b>Dr. Hans Raj, Scientist-‘E’</b> of ICFRE-BRC Aizawl delivered a presentation on important insect pests of forestry plants and their management. This was followed by the documentaries on Fungal and Insect Biodiversity. Thereafter, <b>Dr. Hans Raj, Scientist-‘E’</b>, <b>Shri Sandeep Yadav, Scientist-‘D’</b>, <b>Dorothy Lalrinpuui, TA</b> and <b>Irene Lalrindiki, JPF</b> gave demonstration to the participants on isolation and culture of plant pathogen(s) in laboratory.</p>

Day 2

The second day commenced with a demonstration and mass-multiplication of Bio-control agent and preparation of different fungicidal solution by **Dr. Hans Raj, Scientist-‘E’**, **Shri Sandeep Yadav, Scientist-‘D’**, **Dorothy Lalrinpuui, TA** and **Irene Lalrindiki, JPF**. Thereafter, **Dr. Shailesh Pandey, Scientist-‘E’**, FRI, Dehradun delivered a presentation on important diseases of forestry plants and their management (Online mode).

In the afternoon session, practical demonstration on *in vitro* evaluation of fungicide and bio-control agents was given to the participants by **Dr. Hans Raj, Scientist-‘E’**, **Shri Sandeep Yadav, Scientist-‘D’**, **Dorothy Lalrinpuui, TA** and **Irene Lalrindiki, JPF**.

The training programme concluded with the discussion and feedback from the participants followed by valedictory session and distribution of certificates.



Release of low-cost Fungal Bio-control Agent, ‘TrichoVir’. Inset: TrichoVir



**Figure 1:** A: Welcome Address; B: Felicitation of Guests; C: Presentation; D: Introduction by the participants; E: Speech by Chief Guest F: Release of Trichovir; G: Vote of thanks



**Figure 2:** A-H: Practical Demonstration and hands on practice on isolation and culture of plant pathogen(s), in vitro evaluation of fungicide and bio-control agents and demonstration and mass-multiplication of Bio-control agent and preparation of different fungicidal solution.



**Figure 3:** A-B: Presentations by resource persons; C-D: Feedback by the participants; E-H: Distribution of certificates.