



Green Skill Development Programme (GSDP)

On

Forest Entomology and Pest Control

Organized by

ENVIS Resource Partner on Forest Genetic Resources and Tree Improvement

Institute of Forest Genetics and Tree Breeding

(Indian Council of Forestry Research and Education)

Coimbatore

Lecture on Insect & Ecosystems

Dr. K.R. Sasidharan, Scientist F, delivered a lecture on Insects and Ecosystems. The following topics were covered in his lecture:

- Concept of ecosystem
- Insect Diversity and their range
- Devonian landscape
- Food habits of insects
- Relationships between insects





Lecture on Butterflies

Dr. K.R. Sasidharan, Scientist F, delivered a lecture on Butterflies as indicators and their conservation. During his lecture he explained that butterfly and moth develop through a process called metamorphosis. He also gave an insight on the four stages in the metamorphosis of butterflies and moths and Classification of butterflies.



He explained about various literatures on Forest entomology published by IFGTB staff. He also gave an insight to the IFGTB products and Mobile Apps developed by IFGTB ENVIS.

Lecture on disease symptomatology

Dr.A Karthikeyan, Scientist F delivered a lecture on Disease symptomatology. The following topics were covered in his lecture:

- Significance of Plant Disease
- Injury vs Disease
- Disease Triangle
- Symptoms and signs
- Various casual organisms

Pictorial examples of some diseases in various species were shown to the trainees



Visit to various nurseries

The trainees were taken to various nurseries and trained on assessing various pests in tree species. The process of recognition, interpretation and diagnosis of pest and disease problems in tree nurseries and plantations were taught to the trainees. The trainees assessed *myllocerus* beetles in *Thespesia populnea* and *Syzygium cumini* in model nursery and SFM nursery respectively.



The trainees assessed the occurrences of psyllids in *Lausanne* plants and leaf galls in *Pongamia pinnata* at BPT nursery and FGRM nursery respectively. Trainees got an overall idea about assessing the pests in various species in both plantations as well as mother bed chambers.

