



IUFRO WP 7.02.07 WORKSHOP

RECOGNITION, IDENTIFICATION AND MANAGEMENT OF PESTS AND DISEASES OF TROPICAL PLANTATION AND FOREST TREES 26-30 APRIL 2010 - KAMPALA, UGANDA

Plantations of introduced tree species, as well as trees in native forests, are increasingly threatened by insect pests and fungal and bacterial pathogens. This is especially so in tropical areas where a higher diversity of pests and pathogens exist, as well as in light of the increased trade in timber and seed between countries. The recent introduction of the Eucalyptus gall wasp, *Leptocybe invasa*, into Africa has already resulted in significant losses to private growers and commercial companies. Effective management of pest and disease problems relies on informed tree growers, botanists and conservation organisations.

In light of the above, the IUFRO working party (7.02.07) on diseases of tropical forest trees will be holding a workshop on diseases and pests of plantation and forest trees in 2010. The workshop will take place in Kampala, Uganda and will be jointly organized by IUFRO, the Sawlog Production Grant Scheme (SPGS), Makerere University and the Forestry and Agricultural Biotechnology Institute (FABI).

The workshop aims to provide foresters, tree farmers, students and any one working with forest or plantation trees with a basic background in the recognition of tree health problems and their management. The workshop will have two main components; talks and discussions on important pest and disease problems and a field day for practical experience in diagnosing tree health problems. Presenters will include internationally recognised experts in plantation and forest entomology and pathology as well as local forestry researchers with extensive experience in problems specific to East Africa.

Course contents

The course will consist of lectures, some practical sessions in the laboratory, field visits and group discussions. Participants will be asked to make short (3-5 minute) presentations of their work and/or tree/forest ill-health problems in their countries so that they can share information and learn about each other's experience.

- General concepts of disease, causes of disease, disease triangle, disease diagnosis. Case studies will be presented, both of the disease and the disease causing organisms.
- General concepts of entomology and pest problems, pest triangle, diagnosis. Case studies will be presented, both of the pest and the pest causing organisms.
- Basic disease and pest management options.
- Practical field diagnosis and sample collection in the field. How to collect samples and how to recognize symptoms and signs. Practical management options will be discussed in the field. Samples collected from the field will be examined in the laboratory for participants to obtain a better idea of what fungi/bacteria and insects look like under the microscope.
- Apart from field diagnosis, participants will be taught the importance of disease detection and reporting and the importance of quarantine and sanitation, with more in depth discussion of tree health management (biological control, chemical control etc).

Please contact Jolanda Roux (IUFRO WP 7.02.07 co-ordinator; FABI researcher; jolanda.roux@fab.up.ac.za) and/or Paul Jacovelli (paulj@sawlog.ug) if you are interested in attending the workshop.

