

Critical issues in plant health: 50 years of research in African agriculture

Edited by Dr. Peter Neuenschwander and Dr. Manuele Tamò
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Critical issues in plant health: 50 years of research in African agriculture

Edited by: Dr Peter Neuenschwander and Dr Manuele Tamò, International Institute of Tropical Agriculture (IITA), Benin

Endorsement:

"This book, a must read for international agricultural scientists and pest management specialists, describes in meticulous detail how a group of eminent scientists have dedicated their lives to produce research that has led to stunning breakthroughs in the development of pest management strategies designed to solve the problems of African food insecurity, hunger and poverty." Professor E. A. "Short" Heinrichs, Secretary General - International Association for the Plant Protection Sciences

Description:

Plant health covers topics such as the safe handling and movement of germplasm and seed, as well as the range of biotic threats faced by crops and the ways they can be managed to optimise yields and ensure safety and quality in crop production. These threats include viral, bacterial and fungal diseases as well as the impact of insect pests and weeds. This collection summarises 50 years of research on plant health by the International Institute of Tropical Agriculture (IITA) to improve the health of crops in Africa.

The first part of the book reviews general issues such as pest and disease surveillance and the range of viruses affecting key African crops. Part 2 summarises key research on improving the health of major crops such as cassava, maize, yams and cocoyams, bananas and plantains, legumes, vegetables and tree fruits. The final part of the book discusses ways of improving integrated pest management of insect pests, diseases and weeds in sub-Saharan Africa.

This unique book brings together some of the world's leading experts on plant health in sub-Saharan Africa to review progress in dealing with the range of biotic threats faced by African farmers, and will be a standard reference on improving the management of pests and diseases in developing countries.

Key features:

- Focuses on plant health issues in sub-Saharan Africa which are key to improving yields
- Reviews ways of improving the health of key African crops such as cassava, maize and grain legumes
- Brings together leading experts on plant health in sub-Saharan Africa

Audience:

Academic researchers in plant health; government and other agencies promoting improved sustainability in agriculture in sub-Saharan Africa.

Editors' details:

Dr Peter Neuenschwander is an Emeritus Scientist at the International Institute of Tropical Agriculture (IITA), based in Benin. Formerly Director of the IITA's Plant Health Management Division, he has worked on integrated pest management (IPM) projects in over 25 countries.

Dr Manuele Tamò is insect ecologist at the International Institute of Tropical Agriculture (IITA) in Benin, with a particular focus on IPM in cereal-legume systems. He has worked with organisation such as AVRDC, ICRISAT and AfriceRice on IPM projects in many countries.

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