

Achieving sustainable cultivation of bananas

Volume 1: Cultivation techniques

Edited by Professor Gert H.J. Kema
Wageningen University and Research, The Netherlands
Professor André Drenth, University of Queensland, Australia



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Achieving sustainable cultivation of bananas

Cultivation techniques

Edited by: Prof. Gert Kema, Wageningen University, The Netherlands and Prof. André Drenth, The University of Queensland, Australia

Endorsement:

"This book provides an excellent and complete overview of banana production in the world. Considering the rapid evolution of banana production in the last couple of decades, it provides a timely update of current information. The contributing authors are among the best experts in banana research worldwide, making this book the future reference volume for this important crop." *Dr Emile Frison, Former Director General of Bioversity International*

Description:

Bananas are the world's most popular fruit and, according to the FAO, the fourth most important crop in the developing world after rice, wheat and maize. This volume discusses ways of improving cultivation techniques to make production more sustainable.

Part 1 reviews current yields, production trends and constraints. Part 2 surveys ways of improving cultivation practice whilst Part 3 discusses harvest and post-harvest operations. The final part of the book assesses ways of measuring and improving the environmental impact of banana cultivation.

Drawing on an international range of expertise, this collection focuses on ways of achieving more sustainable cultivation of banana at each step in the value chain, from propagation to post-harvest operations. This comprehensive collection will be a standard reference for the banana research community as well as banana producers.

Key features:

- Assesses current yields in different regions and constraints in improving productivity
- Discusses all the key stages in cultivation needed to make banana production more efficient
- Reviews ways of assessing and improving the sustainability of banana cultivation

Audience:

Academic researchers in fruit science; banana producers; government and non-governmental agencies supporting or monitoring banana production

Editors' details:

Dr Gert Kema is Professor in Tropical Plant Pathology at Wageningen University and Research and Senior Scientist at Wageningen Plant Research, Wageningen, The Netherlands. He heads several international banana research programs, including interdisciplinary research projects and public-private-partnerships focusing on Panama disease and black Sigatoka.

Dr Andre Drenth is Principal Research Fellow at the Queensland Alliance for Agriculture and Food Innovation (QAFFI), and Professor in Tropical Plant Pathology at the University of Queensland. He is the Head of the Banana Plant Protection Programme set up to protect Australia's banana industry from the risk of disease.

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