

Achieving sustainable cultivation of sugarcane

VOLUMES 1 & 2

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IN AGRICULTURAL SCIENCE

Achieving sustainable cultivation of sugarcane - Vol.1

Cultivation techniques, quality and sustainability

Edited by: Professor Philippe Rott, University of Florida, USA

KEY FEATURES

- Provides a comprehensive review of best practice in sugarcane cultivation across the value chain from planting through to post-harvest operations
- Reviews use of sugarcane for bioenergy and other applications
- Assesses the environmental impact of sugarcane cultivation

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Editor biography

Dr Philippe Rott is Professor of Plant Pathology in the Everglades Research and Education Center at the University of Florida. He previously conducted research at CIRAD (the French Agricultural Research Center for International Development) for over three decades. Professor Rott is currently Chair of the Executive Committee of the International Society of Sugarcane Technologists. He has written widely on sugarcane diseases.

"Although there have been a number of books published on sugarcane production, none are current enough to capture more recent scientific results and none of those texts address the problems of achieving sustainability of sugarcane production. The proposed content and contributing scientists are excellent choices for producing a text that will be highly relevant for sugarcane scientist, students and producers." *Dr Paul H. Moore, Hawaii Agricultural Research Center, USA; co-editor of Sugarcane: Physiology, Biochemistry and Functional Biology*



Achieving sustainable cultivation of sugarcane - Vol.2

Breeding, pests and diseases

Edited by: Professor Philippe Rott, University of Florida, USA

KEY FEATURES

- Covers key advances in breeding, including conventional, marker-assisted and transgenic breeding techniques
- Summarises key advances in understanding bacterial, fungal and viral diseases of sugarcane
- Assesses best practice in integrated disease, pest and weed management

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