

# Achieving sustainable cultivation of sorghum

VOLUMES 1 & 2

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## Achieving sustainable cultivation of sorghum - Vol.1

### Genetics, breeding and production techniques

Edited by: Professor William Rooney, Texas A&M University, USA

#### KEY FEATURES

- Comprehensive coverage of the latest research on the genetic diversity and genomics of sorghum
- Reviews key developments in breeding, from conventional to marker-assisted techniques, as well their application in developing higher-yielding, more stress-resistant varieties
- Discusses key elements in integrated crop, pest and weed management

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2. The comparative and evolutionary genomics of sorghum: Elizabeth A. Cooper and Stephen Kresovich, Clemson University, USA
3. Ensuring the genetic diversity of sorghum: Hari D. Upadhyaya and Mani Vetriventhan, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India

##### Part 2 Sorghum improvement techniques

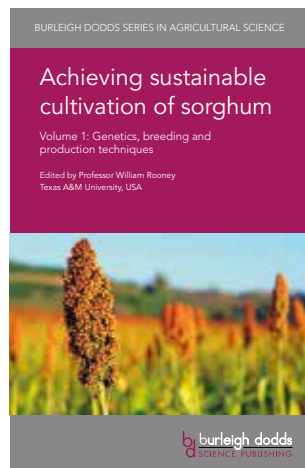
4. The principles and processes of sorghum breeding: Cleve D. Franks, DuPont Pioneer, USA
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Weltzien-Rattunde, University of Wisconsin-Madison, USA; and Bettina I.G. Haussmann, University of Hohenheim, Germany

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### Editor biography

**Dr William Rooney** is Professor in the Department of Soil and Crop Science at Texas A&M University, USA. He has written widely on sorghum breeding and released a number of new varieties for use both in the US and Central America. He is a member and current Chair of the Sorghum Improvement Conference of North America which brings together experts from a number of universities to improve sorghum cultivation.

**"A comprehensive update on "why do" sorghum and "how to do" sorghum in both developed and developing countries."** John F. Leslie, University Distinguished Professor, Kansas State University, USA

## Achieving sustainable cultivation of sorghum - Vol.2

### Sorghum utilization around the world

Edited by: Professor William Rooney, Texas A&M University, USA

#### KEY FEATURES

- Discusses latest research on sorghum structure, chemistry and physiology
- Reviews varied uses of sorghum as a feed and feed grain, forage and energy crop
- Includes case studies of key challenges facing sorghum cultivation in regions such as Asia, Africa and South America

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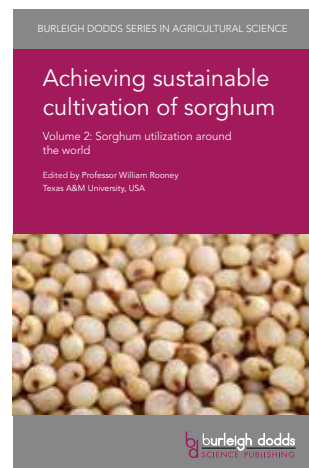
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