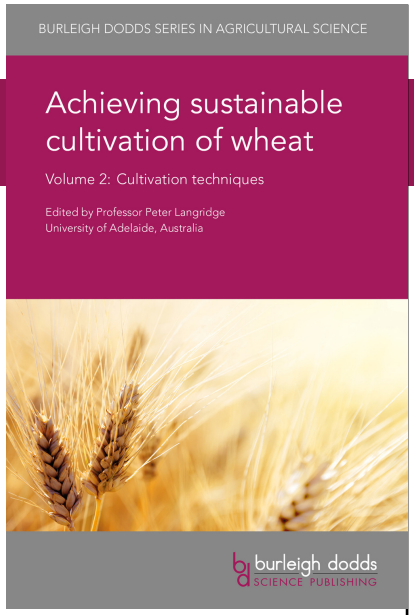

New title information

Achieving sustainable cultivation of wheat Volume 2

Cultivation techniques

Edited by: Professor Peter Langridge, University of Adelaide, Australia

Endorsement:

"These books present a comprehensive coverage of issues facing wheat production globally. The authors represent the top scientists involved in the diverse areas that are important for sustainable wheat production and will this book provides an excellent resource for those interested in wheat improvement and production."*Dr Hans-Joachim Braun, Director Global Wheat Program and CRP Wheat, International Maize and Wheat Improvement Center (CIMMYT), Mexico*

Description:

Wheat is the most widely cultivated cereal in the world and a staple food for around 3 billion people. It has been estimated that demand for wheat could increase by up to 560% by 2050. There is an urgent need to increase yields in the face of such challenges as climate change, threats from pests and diseases and the need to make cultivation more resource-efficient and sustainable.

Drawing on an international range of expertise, this collection focuses on ways of improving the cultivation of wheat at each step in the value chain, from breeding to post-harvest storage. Volume 1 reviews research in improving cultivation techniques. Chapters in Part 1 review topics such as variety selection, seed and root growth, water and nutrient management. Part 2 goes on to discuss broader issues such as sustainable intensification and organic cultivation. The final part of the collection covers ways of improving wheat cultivation in the developing world.

Achieving sustainable cultivation of wheat Volume 2: Cultivation techniques will be a standard reference for cereal scientists in universities, government and other research centres and companies involved in wheat cultivation. It is accompanied by Volume 1 which reviews breeding, quality traits, pests and diseases.

Key features:

- Reviews advances in cultivation practice such as seed establishment and more efficient irrigation techniques;
- Summarises developments in 'climate smart' agriculture such as conservation tillage and organic wheat cultivation;
- Discusses ways of supporting smallholders improve wheat cultivation in North Africa and other regions in the developing world

Audience:

Academic researchers in cereal science; International and national agencies supporting agricultural development; Cereal processors and companies supplying the agricultural sector.

Editor details:

Dr Peter Langridge is Emeritus Professor of Plant Science at the University of Adelaide and former CEO of the Australian Centre for Plant Functional Genomics (ACPFC). Professor Langridge is also Chair of the Scientific Board of the Wheat Initiative set up to coordinate international research in wheat.

Publication date
30 May 2017

Price
£130 / $165 / €160

ISBN
Hardback: 978-1-78676-020-3
PDF: 978-1-78676-023-4
ePub: 978-1-78676-022-7
Mobi: 978-1-78676-021-0

Format
152 x 229 mm / 6 x 9 in, 260 pages

Illustrations
Colour tables, photos and figures

Series
Burleigh Dodds Series in Agricultural Science: no. 6

BIC/THEMA classification
TVKC - Cereal crops, PSTS - Plant ecology, TVDR - Irrigation, TVF - Sustainable agriculture, TVG - Organic farming, TVKF - Fertilizers & manures, TVM - Smallholdings

NBN INTERNATIONAL

Print (exc. US and Canada) and e-books (worldwide) distributed by NBN International.

Updated 18/04/17

Table of contents:

Related products:

Achieving sustainable cultivation of maize Volume 1, 978-1-78676-008-1, 30 Apr 2017, USD 190.00, EUR 180.00, CAD 255.00, and GBP 150.00
Achieving sustainable cultivation of maize Volume 2, 978-1-78676-012-8, 31 May 2017, USD 240.00, EUR 230.00, CAD 325.00, and GBP 190.00
Achieving sustainable cultivation of rice Volume 1, 978-1-78676-024-1, 30 Apr 2017, USD 175.00, EUR 170.00, CAD 240.00, and GBP 140.00
Achieving sustainable cultivation of rice Volume 2, 978-1-78676-028-9, 30 Apr 2017, USD 190.00, EUR 180.00, CAD 255.00, and GBP 150.00
Achieving sustainable cultivation of wheat Volume 1, 978-1-78676-016-6, 30 Apr 2017, USD 265.00, EUR 250.00, CAD 360.00, and GBP 210.00