

Advances in Conservation Agriculture

Volume 2: Practice and benefits

Edited by Amir Kassam
University of Reading, UK



 burleigh dodds
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TVF - Sustainable agriculture, TVG -
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Advances in Conservation Agriculture Volume 2

Practice and benefits

Amir Kassam, University of Reading, UK

Endorsement:

This is an important, timely and authoritative collection on the values of Conservation Agriculture worldwide. Great advances have been made in recent years over a range of approaches and systems to improve both the productivity of agricultural systems and their positive contributions to ecosystem services and natural capital. Conservation Agriculture has been taken up by millions of farmers, fitting methods to their particular circumstances to produce sustainable models of food production.

Jules Pretty, Professor of Environment and Society, University of Essex, UK

Description:

This collection reviews ways of optimising Conservation Agricultural (CA) practices and their benefits.

Chapters summarise research on optimising soil management, crop nutrition and irrigation, as well as weed, insect pest and disease management. The book also reviews ways of optimising the environmental and social benefits of adopting CA practices.

Chapters discuss carbon and biodiversity management, the ways CA can promote ecosystem services as well as the use of life cycle assessment (LCA) techniques to monitor and improve CA. There are also chapters on improving the economic and broader social benefits of CA for farming communities.

Key features:

- Summarises current research on optimising CA practices at key stages in crop production
- Addresses major challenges facing CA in such areas as weed, insect pest and disease management
- Reviews the central issues of yield improvement, productivity and profitability

Audience:

Crop scientists researching low-input and organic agriculture, soil scientists, national organisations responsible for improving agricultural practices and sustainability.

Editor details:

Professor Kassam is Visiting Professor at the University of Reading (UK) and Moderator of the FAO-hosted Global Platform for Conservation Agriculture Community of Practice (Global CA-CoP). He is a Fellow of the Royal Society of Biology (UK) and has received an OBE from the British Government for services to tropical agriculture and rural development. Prof. Kassam is Chair of the International Conservation Agriculture Advisory Panel for Africa (ICAAP-Africa) and Vice-Chair of the Conservation Agriculture Association for the UK (CA-UK). He is former Chair of the Aga Khan Foundation (UK), the FOCUS Humanitarian Assistance Europe Foundation and the Tropical Agriculture Association (TAA). He has held senior positions at international organisations such as FAO and CGIAR and has published widely on Conservation Agriculture.

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- Assessing the environmental impact of agriculture, 978-1-78676-228-3, 21 Jun 2019, CAD 270.00, USD 210.00, EUR 190.00, GBP 160.00, and AUD 290.00
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