

Improving organic crop cultivation

Edited by Professor Ulrich Köpke, University of Bonn, Germany



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Improving organic crop cultivation

Edited by: Prof. Ulrich Köpke, Institute of Organic
Agriculture, University of Bonn, Germany

Endorsement:

"Arable and particularly horticultural crops are central to organic agriculture. There remain tremendous challenges in research whilst the best sustainable practices are still not fully adopted by all organic farmers. A comprehensive reference book covering the latest research on improving organic agriculture is therefore indispensable and currently missing. With their wealth of expertise, the editor and the authors fill this very gap."

Professor Urs Niggli, Director of the Research Institute of Organic Agriculture (FiBL), Switzerland

Description:

Global sales of organic products have grown significantly, yet organic farming remains a small percentage of overall agricultural production with lower yields than conventional methods. Organic crop cultivation thus faces a range of challenges if it is to grow significantly. This volume reviews the wealth of research addressing these challenges.

Part 1 reviews developments in improving cultivation across the value chain, from breeding more robust, low input varieties to ways of maintaining soil health and improving crop nutrition. Part 2 discusses the key topic of pests and diseases with reviews of integrated pest and weed management as well as organic plant protection products. Part 3 covers ways of monitoring the environmental impact of organic farming whilst the final part of the book discusses ways of supporting organic cultivation in the developing world.

With its distinguished editor and an international team of expert authors, this will be a standard reference for all those interested in understanding, improving and promoting organic farming.

Key features:

- Reviews key advances and best practice in cultivation techniques across the value chain of organic farming
- Discusses ways of monitoring and improving the environmental impact of organic crop production
- Particular focus on ways of supporting organic farming in the developing world

Audience:

Crop scientists and agronomists; growers of organic crops; government and non-governmental agencies responsible for certifying and supporting organic farming

Editor details:

Professor Ulrich Köpke is Director and Head of the Institute of Organic Agriculture at the University of Bonn, Germany. He was Founding President of the International Society of Organic Agriculture Research (ISO FAR) which plays a leading role in promoting collaboration in international organic research. Professor Köpke has written over 200 publications on nutrient management, life cycle analysis and other techniques for optimising agronomic practices in organic agriculture, as well as coordinating a number of major European research projects in organic agriculture.

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