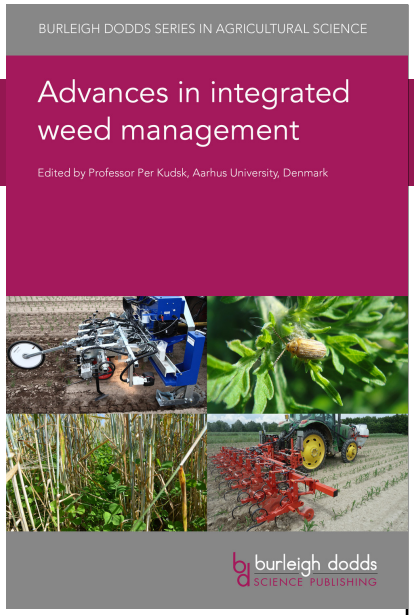

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New title information

Advances in integrated weed management

Edited by: Professor Per Kudsk, Aarhus University, Denmark

Endorsement:

"With the evolution and spread of herbicide-resistant weeds, as well as the spread of invasive weeds and new weed challenges with climate change, weed management is becoming increasingly problematic. This volume provides information and insight from a group of distinguished experts on new approaches to tackling these problems with integrated weed management. I look forward to its publication." *Professor Stephen O. Duke, National Center for Natural Products Research, University of Mississippi, USA*

Description:

Weed management continues to face many challenges, including herbicide resistance, invasive species, climate change and how best to deploy the range of non-chemical control methods available. To tackle these challenges, integrated weed management (IWM) needs to evolve to embrace a more holistic, landscape-based agroecological approach.

Advances in integrated weed management provides an authoritative review of the latest developments in integrated weed management (IWM), including the change in approach to the complex ways weeds interact with their environment and with each other, as well as how some species may have the ability to contribute to ecosystem services such as soil health. This collection explores these developments and offers examples of how they are being applied in practice for particular crops.

Edited by **Professor Per Kudsk**, Aarhus University, Denmark, *Advances in integrated weed management* will be a standard reference for weed scientists, researchers in crop protection, agronomists, farmers, companies supplying/manufacturing pesticides, and government and private sector agencies supporting sustainable agriculture.

Key features:

- Summarises the current advances in IWM, such as the use of technology to allow for more informed decision making (e.g. decision support systems (DSS) and sensor technology)
- Discusses the challenges continually faced by the sector, including herbicide resistance, invasive species, climate change and how best to deploy the range of non-chemical control methods available
- Provides examples of the practical application of IWM and its optimisation in the field on different crops (cereals, vegetables, pasture, grasslands)

Audience:

Weed scientists, researchers in crop protections, agronomists, farmers, pesticide companies, government and private sector agencies supporting sustainable agriculture

Editor details:

Professor Per Kudsk is Head of the Crop Health Section in the Department of Agroecology at Aarhus University, Denmark. An internationally-known expert in integrated weed management, he is a former President of the European Weed Research Society. Professor Kudsk has played a leading role in EU research projects such as IWMPRAISE and the ENDURE Network as well as in the European Plant Protection Organisation (EPPO).

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