

Achieving sustainable cultivation of potatoes

Volume 2: Production and storage, crop protection and sustainability

Edited by Dr Stuart Wale, Potato Dynamics Ltd, UK



 burleigh dodds
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TVK - Agronomy & crop production,
PSTP - Plant pathology & diseases, TVF -
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farming, TVKF - Fertilizers & manures,
TVP - Pest control



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New title information

Achieving sustainable cultivation of potatoes Volume 2

Production and storage, production and sustainability

Edited by: Dr Stuart Wale, Potato Dynamics Ltd, UK

Endorsement:

"Sustainable potato cultivation means simultaneously addressing and resolving a complex set of varied and interlinked context-specific constraints. These books promise to rise to the occasion with a talented cast of authors who span the disciplinary spectrum from genetics, pests and diseases, cropping systems all the way through to nutrition and consumer perspectives."

Graham Thiele, Director - CGIAR Research Program on Roots Tubers and Bananas, led by the International Potato Center (CIP), Lima, Peru

Description:

Potatoes are one of the world's key food crops. Their nutritional value, and the fact that they can be grown with relatively few inputs in a wide range of environments, makes them an important food security crop. However, yields in developing countries are held back by factors such as poor cultivation practices and the impact of pests and diseases, whilst more intensive systems need to become more 'climate smart' both to minimise their environmental impact and adapt to climate change.

This volume looks at key research on improving cultivation techniques at each stage in the value chain for potato production. Chapters in Part 1 range from modelling yields to nutrient and irrigation management as well as post-harvest storage. Part 2 reviews advances in understanding and managing fungal, bacterial and viral diseases as well as the management of insect pests and weeds. The final part of the book discusses ways of monitoring and reducing the environmental impact of potato cultivation.

With its distinguished editor and international team of expert authors, this will be a standard reference for potato scientists, growers, government and non-government agencies supporting potato cultivation. Volume 1 looks at breeding and aspects of quality.

Key features:

- Comprehensive coverage of improvements in cultivation techniques across the potato value chain, from yield modelling to post-harvest storage
- Detailed review of the main fungal, bacterial and viral diseases affecting potatoes
- Assesses the environmental impact of potato cultivation

Audience:

Audience: academic researchers in potato science; potato growers; government and non-governmental agencies supporting potato cultivation

Editor details:

Dr Wale is a potato agronomist and researcher for SAC Consulting within SRUC (Scotland's Rural College). He was formerly Head of Crop Services at the Scottish Agricultural College (SAC - the forerunner of SRUC). He has published widely on potato diseases in particular, co-editing *Diseases, pests and disorders of potatoes: a colour handbook*, and is a former President of the British Society of Plant Pathology. Dr Wale also has his own consultancy: Potato Dynamics Ltd.

Table of contents:

Part 1 Potato production and storage

1. Modelling potato growth: *Ilka Leinonen, Newcastle University, UK*
2. Good planting, cultivation and harvesting practices for potatoes: *VK Dua, Central Potato Research Institute (CPRI), India*
3. Improving nutrient management in potato cultivation: *Philip White, The James Hutton Institute – University of Dundee, UK*
4. Advances in irrigation practices and technology in potato cultivation: *Jerry Knox, Cranfield University, UK*
5. Advances in post-harvest storage of potatoes: *Glyn Harper, Sutton Bridge Crop Storage Research, UK*
6. Reducing acrylamide formation in potatoes: *Bruno De Meulenaer, University of Ghent, Belgium*

Part 2 Diseases, pests and weeds

7. Fungal diseases affecting potato storage: *Alison Lees, James Hutton Institute, UK*
8. Bacterial diseases affecting potatoes: *Gerry Saddler, SASA, UK*
9. Viruses affecting potatoes: *Christophe Lacomme, SASA, UK*
10. Non-infectious disorders affecting potatoes: *Andrew Robinson, North Dakota State University, USA*
11. Nematode pests of potatoes: *Jon Pickup, SASA, UK*
12. Insect pests affecting potatoes: *Jurgen Kroschel, International Potato Center (CIP), Peru*
13. Advances in pest and disease-resistant potato varieties: *Benoit Bizimungu, Potato Research Centre – Agriculture and Agri-Food Canada, Canada*
14. Integrated pest management/biological pest control strategies in potato cultivation: *Stuart Reitz, Oregon State University, USA*

Part 3 Sustainability

15. Assessing the impact of climate change on potato cultivation: *Roberto Quiroz, International Potato Center (CIP), Peru*
16. Good agricultural practice and integrated crop management (ICM) in sustainable potato cultivation: *Samuel Essah, Colorado State University, USA*
17. Organic potato cultivation: *Thomas Doring, Organic Research Centre, UK;*

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- Achieving sustainable cultivation of cassava Volume 2, 978-1-78676-004-3, 31 Aug 2017, USD 175.00, EUR 170.00, CAD 240.00, GBP 140.00, and AUD 250.00
- Achieving sustainable cultivation of potatoes Volume 1, 978-1-78676-100-2, 31 Dec 2017, GBP 150.00, EUR 180.00, USD 190.00, CAD 255.00, and AUD 270.00
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