

BURLEIGH DODDS SERIES IN AGRICULTURAL SCIENCE

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Current crop models

State-of-the-art and future developments

Edited by Professor Gerrit Hoogenboom
University of Florida, USA



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About the book

This book reviews the current range of crop models, the ways they explore the complex interplay between genetic, environmental and management (G x E x M) variables and how these can be optimised to create a more sustainable and resilient agriculture. The book also explores how variables such as crop variety and genetic differences are being addressed, recent model improvements and future model enhancements.

The book builds on a successful earlier volume published by Burleigh Dodds Science: *Advances in crop modelling for a more sustainable agriculture* (2019).

About the editor

Dr Gerrit Hoogenboom is Professor and Preeminent Scholar in the Department of Agricultural and Biological Engineering at the University of Florida, USA. With over 30 years' experience and over 500 peer-reviewed publications, he is acknowledged as a global expert in crop modelling. He currently coordinates development of the Decision Support System for Agrotechnology Transfer (DSSAT), one of the leading crop modelling systems. Professor Hoogenboom is the Editor-in-Chief of *The Journal of Agricultural Science*.

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Edited by: Professor Gerrit Hoogenboom, University of Florida, USA

Part 1 North America

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3. The Cycles Agroecosystem Model: Armen R. Keranian, Yuning Shi, Charlie M. White, Felipe Montes, Rachel K. N. Rozum, Amanda R. Burton and Ele Saltmarsh, The Pennsylvania State University, USA; and Claudio O. Stockle, Washington State University, USA
4. Crop modeling with simple simulation models (SSM): Afshin Soltani, Gorgan University of Agricultural Sciences and Natural Resources, Iran; and Thomas R. Sinclair, North Carolina State University, USA
5. The Systems Approach to Land Use Sustainability (SALUS) model: B. Basso, T. Tadiello, P. Sharma, L. Price and J.T. Ritchie, Michigan State University, USA
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8. The USDA Root Zone Water Quality Model: Huihui Zhang, Liwang Ma and Jon D. Hanson, USDA-ARS, USA; and Zhiming Qi, McGill University, Canada

Part 2 Europe

9. The STICS soil-crop model: a generic model to simulate the functioning of agroecosystems: Benjamin Dumont and Mathieu Delandmeter, University of Liège, Belgium; Marie-Odile Bancal, Université Paris-Saclay, INRAE, AgroParisTech, UMR EcoSys, France; Nicolas Baudouin and Joël Léonard, INRAE, UMR Transfontallière BioEcoAgro, France; Samuel Buis, INRAE, Avignon Université, UMR EMMAH, France; Julie Caubel, EcoClimaSol, France and INRAE, US Agroclim, France; Hugues Clivot, Université de Reims Champagne-Ardenne, INRAE, FARE, UMR A 614, France; Julie Constantin, Université de Toulouse, INRAE, UMR AGIR, France; Antoine Couédel and Mathilde de Falcois, CIRAD, University of Montpellier, UPR AIDA, France; Audrey Deheinelein, INRAE, US Agroclim, France; Gatien N. Frentzen, CIRAD, University of Montpellier, UPR AIDA, France, CIRAD, UPR AIDA, International Maize and Wheat Improvement Centre (CIMMYT) and University of Zimbabwe, Zimbabwe; Fabien Ferchaud, UMR Eco&Sols, University of Montpellier, CIRAD, INRAE, IRD, Institut Agro Montpellier, France; Iñaki García de Cortázar-Atauri, Marie Launay, Patrice Lecharpentier and Dominique Ripoché, INRAE, US Agroclim, France; Anne-Isabelle Graux, Agrocampus Ouest, INRAE, UMR PEGASE, France; Guillaume Jégo, Agriculture and Agri-Food Canada, Canada; Arthur Lenoir, University of Liège, Belgium; Gaetan Louarn, INRAE UR P3F, France; Alain Mollier, INRAE, Bordeaux Sciences Agro, UMR1391 ISPA, France; Céline Schoving, Université de Toulouse, INRAE, UMR AGIR, France; Mounir Seghouani, INRAE, Bordeaux Sciences Agro, UMR1391 ISPA, France and CIRAD, University of Montpellier, UPR Recyclage et Risque, France; Loïc Strullu, Strullu Company, France; Remi Vezay, CIRAD, University of Montpellier, CNRS, INRAE, IRD, UMR AMAP, France; Tiphaine Vidal, Université Paris-Saclay, INRAE, UR BIOGER, France; Eric Justes, CIRAD, France; and Jean-Louis Durand, INRAE UR P3F, France

10. The Simulator of crop trait Assembly, Management Response and Adaptation crop model: Myriam Adam, UMR AGAP Institut and Université de Montpellier, Institut Agro, France and University of Battambang, Cambodia; Gregory Beurier, Lauriane Rouan and Michael Dinku, CIRAD, UMR AGAP Institut, Université de Montpellier, CIRAD, INRAE, Institut Agro, France; Florian Larue, Université de Montpellier, France; and Bertrand Muller, CIRAD, UMR AGAP Institut, Université de Montpellier, Institut Agro, France and CIRAD, Madagascar
11. The Genotype-by-Environment interaction on CROp growth Simulator model: Xinyou Yin, Wageningen University & Research, The Netherlands
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13. The Light INterception and UtiliSation family of crop models: A.G.T. Schut, H.N.C. Berghuijs, A.J.W. de Wit and M.K van Ittersum, Wageningen University and Research, The Netherlands
14. SWAPWOFOST: a combined ecophysiological and crop growth simulation model: I. Supit, P. Groenendijk, J. van Dam, M. Mulder and M. Heinen, Wageningen University and Research, The Netherlands
15. The SIMPLACE crop and ecosystem management modelling platform: M. Vianna, A. Enders, T. Gaiser, G. Krauss and T. H. Nguyen, University of Bonn, Germany; S. J. Seidel, University of Natural Resources and Life Sciences, Austria; E. E. Rezaei and H. Webber, Leibniz Centre for Agricultural Landscape Research, Germany; A. Tewes, University of Bonn and xarvioTM BASF Digital Farming GmbH, Germany; A. K. Srivastava and F. Ewert, University of Bonn and Leibniz Centre for Agricultural Landscape Research, Germany
16. The MONICA agroecosystem model: Claas Nendel, Michael Berg-Mohnicke, Rachel Escueta, Gohar Ghazaryan, Leonardo Inforsato, Bahareh Kamali, Marlene Palka, Ahsan Raza, Ehsan Eysbi Rezaei, Xenia Specka and Jing Yu, Leibniz Centre for Agricultural Landscape Research (ZALF), Germany
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Part 3 Asia and the Pacific

19. InfoCrop: a process-based dynamic crop simulation model for analysing genotype x environment interactions in tropical crops: S. Naresh Kumar, Bidisha Chakraborty, Arti Bhatia, Shweta Panjwani, DN Swaroopa Rani and Vikas Kumar, ICAR – Indian Agricultural Research Institute, India; P.K. Aggarwal and H. Pathak, South Asia Climate Adaptation of Agriculture Programme – CIMMYT, India; Subhash Chander and N. Kalra, ICAR – National Centre for Integrated Pest Management, India
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