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Achieving sustainable cultivation of vegetables

Edited by Professor George Hochmuth
University of Florida, USA



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This volume summarises the wealth of research on improving sustainability in vegetable cultivation. Part 1 reviews advances in physiology and breeding. Parts 2-3 summarise advances in cultivation and pest management. The final part includes case studies on the breeding and cultivation of key vegetables.

About the editor

Dr George Hochmuth is Emeritus Professor of Soil and Water Sciences at the University of Florida, USA. He is co-author of Knott's Handbook for Vegetable Growers. He is former Director of the North Florida Research and Education Center (NFREC) at the University of Florida.

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Part 2 Cultivation

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6. Advances in greenhouses and other protected structures used for cultivation of vegetables: *Martine Dorais, Centre de recherche en innovation sur les végétaux, Université Laval, Canada*
7. Developments in soilless/hydroponic cultivation of vegetables: *Dimitrios Savvas, Agricultural University of Athens, Greece; and Damianos Neocleous, Ministry of Agriculture, Natural Resources and Environment, Cyprus*
8. Advances in organic cultivation of vegetables: *Xin Zhao, University of Florida, USA; Francesco Di Gioia, Pennsylvania State University, USA; Kathleen Delate, Iowa State University, USA; Erin Roskopf, USDA-ARS, USA; and Wenjing Guan, Purdue University, USA*

Part 3 Pests and pathogens

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12. Microbiological safety of vegetable produce: the impact of pre- and post-harvest practices: *Max Teplitski, USDA National Institute of Food and Agriculture, USA*

Part 4 Case studies

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