

# Managing soil health for sustainable agriculture

VOLUMES 1 & 2

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## Managing soil health for sustainable agriculture - Vol.1

### Fundamentals

Edited by: Dr Don Reicosky, Emeritus Soil Scientist, USDA-ARS and University of Minnesota, USA

### KEY FEATURES

- Puts soil health in the broader context of ecosystem services, conservation and climate change
- Summarises current research on soil structure and composition
- Reviews latest developments in understanding nutrient and other cycles in soil

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3. Soil health and climate change: a critical nexus: Promil Mehra, New South Wales Department of Primary Industries, Australia; Bhupinder Pal Singh, New South Wales Department of Primary Industries, University of Newcastle and University of New England, Australia; Anitha Kunhikrishnan, New South Wales Department of Primary Industries and University of Newcastle, Australia; Annette L. Cowie, New South Wales Department of Primary Industries and University of New England, Australia; and Nanthi Bolan, University of Newcastle, Australia
4. Integrated soil health management: a framework for soil conservation and regeneration: Daniel K. Manter and Jorge A. Delgado, USDA-ARS, USA; and Jennifer Moore-Kucera, USDA-NRCS, USA
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### Editor biography

**Dr Reicosky** is an Emeritus Soil Scientist, formerly at the North Central Soil Conservation Research Laboratory, Morris, Minnesota, USA, a leading laboratory for soil and plant research at the Agricultural Research Service (ARS) of the United States Department of Agriculture (USDA). Dr Reicosky has published widely on carbon management and soil quality as related to soil health, understanding and optimising soil management through conservation agriculture for more sustainable production.

**"Managing soil health for sustainable agriculture covers virtually the entire range of soil health topics. Dr Don Reicosky, himself an internationally distinguished soil scientist, has assembled an impressive roster of chapter authors. Each is a world-class specialist in the topic of the chapter. This collection of diverse chapters by highly respected authors promises to be a most interesting read and useful reference."** Professor Ray R. Weil, University of Maryland, USA

## Managing soil health for sustainable agriculture - Vol.2

### Monitoring and management

Edited by: Dr Don Reicosky, Emeritus Soil Scientist, USDA-ARS and University of Minnesota, USA

#### KEY FEATURES

- Discusses key methods for monitoring soil health
- Comprehensive review of techniques to manage soil health from no-till and conservation tillage techniques to the use of rotations, intercropping and cover crops
- Case studies of ways of supporting smallholders in maintaining soil health in regions such as Africa, Asia and South America

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#### Biblio information

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