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New title information

Managing soil health for sustainable agriculture Volume 2

Monitoring and management

Edited by: Dr Don Reicosky, Emeritus Soil Scientist - ARS-USDA, USA

Endorsement:

"*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

Description:

There has been growing concern that both intensive agriculture in the developed world and rapid expansion of crop cultivation in developing countries is damaging the health of soils which are the foundation of farming. At the same time we are discovering much more about how complex soils are as living biological systems. This volume reviews the latest research on soil monitoring and management.

Part 1 starts by reviewing soil classification, sampling and ways of monitoring soil dynamics. Part 2 surveys key techniques for managing soil, from no-till and conservation tillage techniques to the use of rotations, intercropping and cover crops as well as manure and compost management. The final part of the book discusses ways of supporting smallholders in maintaining soil health in regions such as Africa, Asia and South America.

With its distinguished editor and international team of expert authors, this will be a standard reference for soil scientists and agronomists as well as the farming community and government agencies responsible for monitoring soil health. It is accompanied by a companion volume looking at developments in soil science.

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.

Audience:

Soil scientists; agronomists; crop growers; government agencies responsible for monitoring soil health

Editor details:

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.

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Related products:

Improving organic crop cultivation, 978-1-78676-184-2, 23 Nov 2018, GBP 210.00, EUR 250.00, USD 275.00, CAD 355.00, and AUD 380.00
Integrated weed management for sustainable agriculture, 978-1-78676-164-4, 14 Dec 2017, GBP 230.00, EUR 275.00, USD 300.00, CAD 390.00, and AUD 415.00
Managing soil health for sustainable agriculture Volume 1, 978-1-78676-188-0, 23 Jul 2018, GBP 160.00, EUR 190.00, USD 210.00, CAD 270.00, and AUD 290.00
Water management for sustainable agriculture, 978-1-78676-176-7, 22 Jun 2018, GBP 230.00, EUR 275.00, USD 300.00, CAD 390.00, and AUD 415.00