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Titolo	Managing soil quality [[electronic resource]] : challenges in modern agriculture / / edited by P. Schjønning, S. Elmholt, and B.T. Christensen
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Descrizione fisica	1 online resource (352 p.)
Altri autori (Persone)	SchjønningP (Per) ElmholtS (Susanne) ChristensenB. T (Bent Tolstrup)
Disciplina	631.4
Soggetti	Soils - Quality Soil management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Contributors; Preface; 1 Soil Quality Management - Concepts and Terms; 2 Soil Quality, Fertility and Health - Historical Context, Status and Perspectives; 3 Soil Acidity - Resilience and Thresholds; 4 Tightening the Nitrogen Cycle; 5 Phosphorus - Surplus and Deficiency; 6 Sustainable Management of Potassium; 7 Developing and Maintaining Soil Organic Matter Levels; 8 Microbial Diversity in Soil - Effects on Crop Health; 9 Biological Soil Quality from Biomass to Biodiversity - Importance and Resilience to Management Stress and Disturbance; 10 Subsoil Compaction and Ways to Prevent It 11 Management-induced Soil Structure Degradation - Organic Matter Depletion and Tillage12 Soil Erosion - Processes, Damages and Countermeasures; 13 Recyclable Urban and Industrial Waste - Benefits and Problems in Agricultural Use; 14 Pesticides in Soil - Benefits and Limitations to Soil Health; 15 Systems Approaches for Improving Soil Quality; 16 Implementing Soil Quality Knowledge in Land-use Planning; 17 Soil Quality in Industrialized and Developing Countries - Similarities and Differences; 18 Soil Quality Management - Synthesis; Index
Sommario/riassunto	Taking a management oriented approach, this title identifies key issues

in soil quality and management options to enhance the sustainability of modern agriculture. Topics covered include major plant nutrients (N, P, K), soil acidity, soil organic matter, soil biodiversity, soil compaction, erosion, pesticides and urban waste.