

1. Record Nr.	UNINA9910455624303321
Titolo	Agriculture, hydrology, and water quality [[electronic resource] /] / edited by P.M. Haygarth and S.C. Jarvis
Pubbl/distr/stampa	Wallingford, ; ; New York, : CABI, c2002
ISBN	1-280-82960-5 9786610829606 0-85199-771-6
Descrizione fisica	1 online resource (514 p.)
Altri autori (Persone)	HaygarthP. M JarvisS. C
Disciplina	628.1684
Soggetti	Agricultural pollution - Environmental aspects Hydrology Water quality Water - Pollution Electronic books.
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; Acknowledgements; Note on Terminology and Abbreviations; Introduction: an Interdisciplinary Approach for Agriculture, Hydrology and Water Quality; Section 1 Agriculture: Potential Sources of Water Pollution; Introduction: Agriculture as a Potential Source of Water Pollution; 1 Nitrogen; 2 Phosphorus; 3 Manures; 4 Pesticides and Persistent Organic Pollutants; 5 Heavy Metals; 6 Human Enteric Pathogens; 7 Sediment; 8 Nutrient Balances; Section 2 Hydrology: the Carrier and Transport of Water Pollution; Introduction: Modelling Hydrological and Nutrient Transport Processes 9 Hydrological Source Management of Pollutants at the Soil Profile Scale10 Hydrological Mobilization of Pollutants at the Field/Slope Scale; 11 Modelling Hydrological Mobilization of Nutrient Pollutants at the Catchment Scale; 12 Pollutant-Sediment Interactions: Sorption, Reactivity and Transport of Phosphorus; 13 Quantifying Sediment and Nutrient Pathways within Danish Agricultural Catchments; 14 Development of Geographical Information Systems for Assessing

Hydrological Aspects of Diffuse Nutrient and Sediment Transfer from Agriculture; 15 Wetlands as Regulators of Pollutant Transport
Section 3 Water Quality: Impacts and Case Studies from Around the World
Introduction: Impacts of Agriculture on Water Quality Around the World; 16 Solutions to Nutrient Management Problems in the Chesapeake Bay Watershed, USA; 17 Nutrient and Pesticide Transfer from Agricultural Soils to Water in New Zealand; 18 Land, Water and People: Complex Interactions in the Murrumbidgee River Catchment, New South Wales, Australia; 19 Managing the Effects of Agriculture on Water Quality in Northern Ireland; 20 Conflicts and Problems with Water Quality in the Upper Catchment of the Manyame River, Zimbabwe
21 Dryland Salinization: a Challenge for Land and Water Management in the Australian Landscape
22 Quantifying Nutrient Limiting Conditions in Temperate River Systems; Index

Sommario/riassunto

This text is a collection of reviews of global problems of diffuse water pollution from agriculture, which affects the water quality of rivers, lakes, reservoirs and the oceans. It is aimed at researchers and advanced level students as a reference book.
