Record Nr. UNINA9910824867103321 Autore Addiscott T. M (Tom M.) Titolo Nitrate, agriculture, and the environment [[electronic resource] /] / T.M. Addiscott Pubbl/distr/stampa Wallingford, Oxfordshire, UK;; Cambridge, MA, USA,: CABI Pub., c2005 **ISBN** 1-280-73575-9 9786610735754 1-84593-094-0 Descrizione fisica 1 online resource (291 p.) 631.8/4 Disciplina Soggetti Nitrogen fertilizers - Environmental aspects Nitrogen fertilizers Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references (p. 252-268) and index. Nota di contenuto Contents; Contributors; Preface; 1 Dependence on Nitrogen; 2 The Chemistry and Physics of Nitrate; 3 The Biology of Nitrate; 4 Nitrogen Fertilizer: 5 Losses of Nitrogen from Arable Land: 6 Losses of Nitrogen from Grassland: 7 Nitrate in Fresh Water and Nitrous Oxide in the Atmosphere; 8 Nitrate in Coastal Waters; 9 Nitrate and Health; 10 The Politics and Economics of Nitrate: 11 Nitrate in Africa: The 'Western' Hegemony'; 12 Risk; 13 Coming to Terms with Nitrate: Public Attitudes to Science; 14 Coming to Terms with Nitrate: Land Use; References; Index: Sommario/riassunto There is widespread public concern about the effects of nitrate derived from the use of fertilizers in farming on water quality and public health. But research on nitrate during the past decade has revealed wide discrepancies between public perceptions and reality. The main problems from nitrate are in fact ecological changes in coastal and estuarine waters and nitrous oxide in the atmosphere. This gas, largely derived from nitrate, is a threat to the ozone layer in the stratosphere and is also a greenhouse gas. This book builds on Farming, Fertilizers,

and the Nitrate Problem (CABI, 1991) by