Record Nr. UNINA9910781809103321 Agriculture and the nitrogen cycle [[electronic resource]]: assessing **Titolo** the impacts of fertilizer use on food production and the environment / / edited by Arvin Mosier, J. Keith Syers, and John R. Freney Washington, D.C., : Island Press, c2004 Pubbl/distr/stampa **ISBN** 1-59726-743-0 1-4356-4858-7 Descrizione fisica 1 online resource (320 p.) Collana SCOPE ; ; 65 Altri autori (Persone) MosierArvin SyersJohn K (John Keith) FreneyJ. R (John Raymond) Disciplina 631.8/4 Soggetti Nitrogen fertilizers Nitrogen fertilizers - Environmental aspects Nitrogen cycle Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "A project of SCOPE, the Scientific Committee on Problems of the Note generali Environment of the International council for Science." Nota di bibliografia Includes bibliographical references (p.) and index. ""Title Page""; ""Copyright Page""; ""Table of Contents""; ""List of Figures Nota di contenuto and Tables""; ""Foreword""; ""Preface""; ""Acknowledgments""; ""Part I: Overview""; ""Ch. 1: Nitrogen Fertilizer: An Essential Component of Increased Food, Feed, and Fiber Production""; ""Part II: Crosscutting Issues""; ""Ch. 2: Crop, Environmental, and Management Factors Affecting Nitrogen Use Efficiency""; ""Ch. 3: Emerging Technologies to Increase the Efficiency of Use of Fertilizer Nitrogen""; ""Ch. 4: Pathways of Nitrogen Loss and Their Impacts on Human Health and the Environment"" ""Ch. 5: Societal Responses for Addressing Nitrogen Fertilizer Needs: Balancing Food Production and Environmental Concerns"""Part III: Lowinput Systems""; ""Ch. 6: Improving Fertilizer Nitrogen Use Efficiency Through an Ecosystem-based Approach""; ""Ch. 7: Nitrogen Dynamics in Legume-based Pasture Systems""; ""Ch. 8: Management of Nitrogen

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