1. Record Nr. UNINA9910810779403321 Autore Barrow Christopher J Titolo Alternative irrigation: the promise of runoff agriculture / / Christopher J. Barrow Pubbl/distr/stampa Oxfordshire, England: New Nork, New York: .: Earthscan, . 1999 ©1999 **ISBN** 0-203-50815-7 1-135-04835-5 Descrizione fisica 1 online resource (191 p.) Disciplina 631.5/87 Soggetti Runoff irrigation 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. Cover: Half Title: Title Page: Original Title Page: Table of Contents: List Nota di contenuto of Figures, Boxes and Tables; List of Photographs; List of Acronyms and Abbreviations; Preface; Acknowledgements; 1 Introduction; Runoff Agriculture and Land Husbandry; Runoff Agriculture: Definition and Character: 2 Soil and Water Conservation (SWC): Soil and Water Conservation in Practice; Soil and Water Conservation Techniques; Soil and water conservation by agronomic techniques; Soil and water conservation by mechanical techniques; Soil and water conservation by vegetative techniques Labour Input and Costs of Soil and Water ConservationThe Role of Women in Soil and Water Conservation: 3 Runoff Harvesting and Storage; Runoff Harvesting Techniques; Roaded catchments; Enhanced catchments; Microcatchments; Macrocatchments; Liman systems; Terraced wadi systems; Warping; Hillside conduit systems; Fog and Mist Harvesting; Dew Harvesting; Subsurface Runoff Harvesting; Runoff Harvesting in Practice; Runoff Harvesting Costs; 4 Ephemeral and Variable Streamflow: Spate, Wetlands and Flood Agriculture; Spate Agriculture; Storage of Floodwater and Heavy Runoff Wetlands, Swamp and Flood AgricultureDambos; Fadamas; Bolis; Wet Field. Drained Field and Raised Field or Raised Bed Agriculture: River Flood Agriculture; Flood-Tolerant Rice and Floating Rice; Aquatic

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Possible Advances in Techniques and Strategy

## Sommario/riassunto

An introduction to runoff agriculture - a form of agricultural irrigation - this text describes how the use of surface and subsurface water, often overlooked and wasted, enables both small farmers and commercial agriculturists to improve yields and the security of harvest, even in harsh and remote environments. The text introduces the techniques and strategies, as well as the challenges and the potential of the crucial approach, which can contribute so much to reducing land degradation and improving conservation and sustainability.