

1. Record Nr.	UNINA9910953488003321
Titolo	Irrigation management, technologies and environmental impact // M. Hossain Ali, editor
Pubbl/distr/stampa	[Hauppauge] NY, : Nova Publishers, 2013
ISBN	1-62417-870-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (325 p.)
Collana	Environmental science, engineering and technology
Altri autori (Persone)	AliM. Hossain
Disciplina	631.5/87
Soggetti	Irrigation - Management Irrigation - Environmental aspects
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	Intro -- IRRIGATION MANAGEMENT, TECHNOLOGIES AND ENVIRONMENTAL IMPACT -- IRRIGATION MANAGEMENT, TECHNOLOGIES AND ENVIRONMENTAL IMPACT -- CONTENTS -- PREFACE -- IRRIGATION MANAGEMENT OF FIELD CROPS: RICE -- ABSTRACT -- 1. ORIGIN, HISTORY, AND CLASSIFICATION OF RICE -- 1.1. General Overview -- 1.2. Origin and Diffusion -- 1.3. Domestication -- 1.4. Hybrids -- 1.5. Outline of the Rice Life History -- The Basic Processes of the Life History of Rice Can Be Applied to Any Cultivation System, with Some Modification. -- 1.6. Classification -- 2. RICE MORPHOLOGY -- 2.1. Root Characteristics and Its Behavior -- 2.2. Water and Nutrient Uptake by Root System -- Water and Nutrient Uptake by Old and New Roots -- Root Characteristics Related to Drought Resistance -- 3. GROWTH PHASES AND STAGES OF RICE PLANT -- Vegetative Phase -- Reproductive Stage -- Ripening Phase -- 4. RICE GROWING CONDITION: SOIL AND WEATHER -- 4.1. Soil Types -- 4.2. Effect of Climate -- 4.3. Solar Radiation -- 4.4. Solar Radiation Requirement at Different Growth Stages -- 4.5. Critical Low and High Temperature -- 4.6. Effect of Water Deficit on Growth and Yield -- 4.7. Effect of Water Excess on Growth and Yield -- 5. RICE CULTIVATION METHODS -- 5.1. Transplanting Method -- 5.2. Wet Seeding Method -- 5.3. Dry Seeding Method -- 6. WATER REQUIREMENT IN RICE FIELD -- 6.1. General Overview -- 6.2. Growth Phase Wise Water Requirement of Rice -- Water Requirement during Land Preparation Period --

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Sommario/riassunto

Today's irrigation management faces challenges and competition with other sectors (ie, household, industry, and environmental), quality degradation, and uncertain climatic conditions. To cope with these situations, the irrigation managers need precise estimation/determination of irrigation needs for crops, advance/water-saving techniques for water application, water conservation approaches, economic considerations in irrigation, and potentials for using marginal quality water in irrigation (such as saline water, and waste-water). This book focuses on all of the above issues: starting with irrigation management strategies for field crops to suitability of saline and wastewater as irrigation water. The book is useful to identify the need and adopt emerging technologies for irrigation management, as well as to identify appropriate methodologies for social, economic, and environmental benefits of improved irrigation management.

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