



OPTIONS méditerranéennes

SERIE B : ETUDES et RECHERCHES
Number 36

**Mediterranean crop responses
to water and soil salinity:
eco-physiological and agronomic
analyses**

Editors:
N. Katerji, A. Hamdy, J. W. van Hoorn, M. Mastrorilli

January 2002

CIHEAM/IAM.B



Options Méditerranéennes

OM is a CIHEAM series devoted to the development of Mediterranean agriculture. Having appeared in the form of a periodical from 1970 to 1976, the title OM has been given to the "Etudes" series from 1981 to 1989. To date, OM includes three series: *Séminaires Méditerranéennes* (Ser. A), *Etudes et Recherches* (Ser. B) and *Cahier OM*.

OM est une collection du CIHEAM dédiée au développement de l'agriculture méditerranéenne. Publiée en forme de périodique du 1970 à 1976, le titre OM a été donné à la collection Etudes du 1981 au 1989. Actuellement OM comprend trois collections: Séminaires Méditerranéens (Ser. A), Etudes et Recherches (Ser. B) et Cahier OM.

INTERNATIONAL CENTRE FOR ADVANCED MEDITERRANEAN AGRONOMIC STUDIES

This volume includes a series of scientific papers which had been published during the past ten years in **Agricultural Water Management** on the major topic: *Mediterranean crop response to water and soil salinity, eco-physiological and agronomic analyses.*

They represent a part of the scientific findings obtained during the running of the programme: **Land, water and crop management under saline irrigation practices** carried out by CIHEAM/Mediterranean Agronomic Institute of Bari, Italy in cooperation with INRA-Station de Bioclimatologie, Thiverval-Grignon, France; Department of Hydrology, Soil Physics and Hydraulics, Agricultural University Wageningen, The Netherlands and Istituto Sperimentale Agronomico, Bari-Italy.

This programme lasted for 10 years and was developed under the running activities of the Network: Non-conventional water resources practices and management (NWRM), coordinated by Bari Institute.

The main objective of this volume is to gather the scientific scattered articles published in different volumes and different years under one single publication, and thus provide the researchers and planners involved in this subject with a complete picture, wide information and better understanding on soil, water, plant interactions under saline conditions.

In addition, this publication also includes several background papers with an ample number of references as guidance to appropriate saline irrigation management for sustainable use.

We strongly hope that this publication will be useful to scientists and researchers involved in this complex field, which is nowadays receiving the attention of scientists and decision-makers due to the acute scarcity conditions most of developing countries in the Mediterranean region are now challenging.

CENTRE INTERNATIONAL DE HAUTES ETUDES AGRONOMIQUES MEDITERRANÉENNES

Prix: € 35,00

ISSN : 1016-1229
ISBN : 2-85352-238-5