VOLUME 6

Drought Water Management:
Crop Water Productivity and Water Use Efficiency Improvements

CONTENTS

Introduction 1
M. Abu-Zeid and A. Hamdy

Droughts: Concepts, Indices and Prediction
L. S. Pereira and A. A. Paulo

Drought Preparedness and Mitigation in the Mediterranean Region
A. Hamdy

Analysis and Improvement of Water Use Efficiency for Crops cultivated in the Mediterranean Regions: The State of the Art
N. Katerji, M Mastrorilli and G. Rana

A systematic and quantitative Approach to improve Water Use Efficiency in Agriculture
T. C. Hsiao

On-Farm Water-Use Efficiency: Reflections on ESCWA’S Experience
M. Ehsan Osman

The Question of Water Efficiency from integrated Water Resources Management Approach
A. Hamdy, and M. E. Venezian-Scarascia

Supplemental Irrigation and Water Harvesting for upgrading Water Productivity in dry Areas
T. Oweis and A. Hachum

Water Use Efficiency and its Potential for Water Saving
A. Hamdy

Water Use Efficiency in irrigated Agriculture: an analytical review
A. Hamdy

Diagnosys of a pressurized Irrigation System for Water Saving
N. Lamaddalena, F. Lebdi