

Water Supply in Agriculture

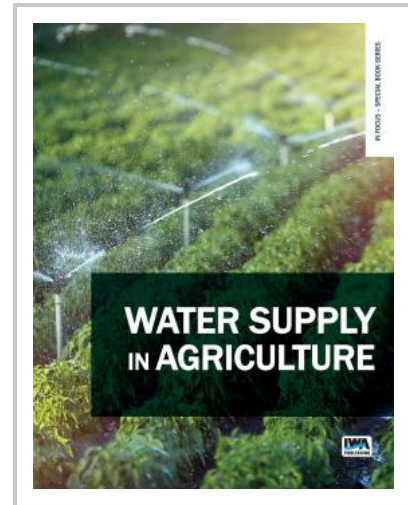
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Could advances in geoinformatics, irrigation management and climate adaptive agronomic practices ensure the sustainability of water supply in agriculture?

This book comprises 33 chapters that contribute to a broad discussion and demonstration of state-of-the-art multifunctional role of water resources in agriculture. The aim of the book to provide insights into novel modeling (monitoring, analyzing/visualizing and prediction) approaches, irrigation management and agronomic practices to investigate the adaptability of water supply and crop production systems to changing environment.

The book presents characteristic examples of new technologies and decision support systems (e.g., artificial intelligence/optimization modeling approaches, Big Geo data) in water efficiency at different levels, including: water supply hydraulic infrastructure systems, water retention measures, less exposed to evaporation and better adapted to infiltration, solutions to reduce water demand and developing techniques for reusing water.

In Focus – a book series that showcases the latest accomplishments in water research. Each book focuses on a specialist area with papers from top experts in the field. It aims to be a vehicle for in-depth understanding and inspire further conversations in the sector.



Publication Date: 15/12/2021

ISBN13: 9781789062946

Pages: 448

Print:

Standard price: £125 / €156 / \$188

Member price: £94 / €117 / \$141