Sustainability of Irrigated Agriculture - I. B. Pomeroy - 2020-01-28

Irrigated agriculture and the use of water resources in agriculture face the challenges of sustainable development. Research has elucidated our knowledge of water use by crops, water-use-efficient cultivars, and the engineering and management tools needed to reduce irrigation, conserve water, and adapt to climate change. However, the underlying issues on our planet remain the same: water use in agriculture is the cause of resource (and especially groundwater) overuse, climate change, and water-scarcity stress. The major issues are: the need to understand the principles of water use in agriculture and the engineering and management tools needed to reduce irrigation and adapt to climate change; the need to improve our understanding of the complex interactions among climate, water, and agriculture; and the need to develop and implement efficient water-use and climate-change adaptation strategies for different regions of the world.


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Factors to be Considered in Locating, Planning, and Operating Country Elevators - Poynter-Wallis-Holley - 1952


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Handbook of Precision Agriculture - ANCHA SRINIVASAN - 2006-09-06

This book provides a thorough, critical, and up-to-date look at precision farming around the world. In most developing countries, farming is the best safety net against hunger and keeping production costs under control without sacrificing crop yields is essential for survival. The Handbook of Precision Agriculture presents up to date research, field studies, and practical applications from around the world to help agricultural scientists and farmers work together to design a farming methodology that improves productivity, profitability, and sustainability. This book offers comprehensive guidance on the principles and technologies that underpin precision agriculture, and illustrates how it can be used to improve crop yields, reduce inputs, and increase profits. The book covers the different aspects of precision agriculture, including environmental, technical, and economic issues. It provides a comprehensive guide to the different components of precision agriculture. It is a valuable resource for researchers, educators, scientists, students, and professionals.

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