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Nota di contenuto	Introduction -- Water-smart practices to manage water scarcity -- Soil-smart practices: Integrated soil fertility management -- Fish farms effluents for irrigation and fertilizer: A field and modeling studies -- Integration between crop-smart, water-smart and soil-smart practices -- Climate extremes and crops -- Climate-resilient crops -- Assessment of climate variability and wheat productivity in Egypt -- Practices contribute in reduction of greenhouse gases.
Sommario/riassunto	This book tackles the main feature of water-smart, soil-smart and crop-smart practices and their integration to sustainably enhance food production. The book includes some insights on the implications of

using climate-smart practices in irrigated and rain-fed agriculture, and suggests approaches to eradicate the negative effects of water scarcity, climate variability and climate change. The book reviews the most important crops resilient to climate variability and their resistance to other biotic and abiotic stresses, and contains the existing practices in Egypt that achieved the three pillars of climate-smart agriculture.

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