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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Climate change and abiotic stress factors -- pt. 2. Methods to improve crop productivity -- pt. 3. Species-specific case studies.
Sommario/riassunto	An up-to-date overview of current progress in improving crop quality and quantity using modern methods. With a particular emphasis on genetic engineering, this text focusses on crop improvement under adverse conditions, paying special attention to such staple crops as rice, maize, and pulses. Improving Crop Productivity in Sustainable Agriculture includes an excellent mix of specific examples, such as the creation of nutritionally-fortified rice and a discussion of the political and economic implications of genetically engineered food. The result is a must-have hands-on