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Titolo	Genetics, genomics and breeding of sorghum // editors: Yi-Hong Wang, Department of Biology, University of Louisiana at Lafayette, Lafayette, LA, USA, Hari D. Upadhyaya, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)
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Edizione	[1st ed.]
Descrizione fisica	1 online resource (365 p.)
Collana	Genetics, Genomics and Breeding of Crop Plants
Disciplina	633.62233
Soggetti	Sorghum - Breeding Sorghum - Genetics Sorghum - Genome mapping
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A Science Publishers book.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Preface to the Series; Preface to the Volume; Contents; List of Contributors; Abbreviations; 1. Sorghum Production for Diversified Uses; 2. Sorghum Genetic Resources: Conservation and Diversity Assessment for Enhanced Utilization in Sorghum Improvement; 3. Wild Sorghums-Their Potential Use in Crop Improvement; 4. Sorghum Breeding; 5. Sorghum Genetic Diversity; 6. Genetic Mapping in Sorghum; 7. Molecular Breeding; 8. Genetic Mapping of Abiotic Stress Responses in Sorghum; 9. Understanding Genetic Control of Biotic Stress Resistance in Sorghum for Applied Breeding 10. Next-Generation Sequencing Technology for Genetics and Genomics of Sorghum 11. Genetic Transformation and Breeding; 12. Phenotypic Mutant Library: Potential for Gene Discovery; 13. Prospect of Sorghum as a Biofuel Feedstock; Color Plate Section
Sommario/riassunto	Sorghum is one of the hardiest crop plants in modern agriculture and also one of the most versatile. Its seeds provide calorie for food and feed, stalks for building and industrial materials and its juice for syrup. This book provides an in-depth review of the cutting-edge knowledge

in sorghum genetics and its applications in sorghum breeding. Each chapter is authored by specialists in their fields to report the latest trends and findings. The book showcases the definitive value of sorghum as a model system to study the genetic basis of crop productivity and stress tolerance and will provide a
