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Titolo	Phenomics : How Next-Generation Phenotyping is Revolutionizing Plant Breeding / / edited by Roberto Fritsche-Neto, Aluízio Borém
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	New Technologies for Phenotyping -- Experimental Designs for Next Generation Phenotyping -- Statistical Analysis of Gene Expression and Genomic Data -- Root Phenomics -- Seed Phenomics -- Agronomic Field Trait Phenomics -- Disease Phenomics -- Proteomics and Metabolomics as Large-Scale Phenotyping Tools.
Sommario/riassunto	This book represents a pioneer initiative to describe the new technologies available for next-generation phenotyping and applied to plant breeding. Over the last several years plant breeding has experienced a true revolution. Phenomics, i.e., high-throughput phenotyping using automation, robotics and remote data collection, is changing the way cultivars are developed. Written in an easy to understand style, this book offers an indispensable reference work for all students, instructors and scientists who are interested in the latest innovative technologies applied to plant breeding.