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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Contents; Preface; Ch 1: An Overview of Fusarium; Ch 2: Sex and Fruiting in Fusarium; Ch 3: Structural Dynamics of Fusarium Genomes; Ch 4: Molecular Genetics and Genomic Approaches to Explore Fusarium Infection of Wheat Floral Tissue; Ch 5: Applying Proteomics to Investigate the Interactions between Pathogenic Fusarium Species and their Hosts; Ch 6: Repeat-induced Point Mutation, DNA Methylation and Heterochromatin in <i>Gibberella zae</i> (Anamorph: <i>Fusarium graminearum</i>); Ch 7: The Nitrogen Regulation Network and its Impact on Secondary Metabolism and Pathogenicity Ch 8: Diversity of Polyketide Synthases in Fusarium Ch 9: Plant Responses to Fusarium Metabolites; Index
Sommario/riassunto	The fungus Fusarium is a major plant pathogen that causes disease in nearly every agriculturally important plant. In addition, some strains produce mycotoxins that can cause serious illness in humans and livestock. The enormous economic importance of, and health hazards posed by, Fusarium have fuelled research by scientists worldwide into its biochemistry, genetics, genomics, proteomics, and metabolomics. The primary aim of this research is the identification of strategies to reduce crop diseases and the risks posed to human and animal health. The wealth of information derived from this resear