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Titolo	Plant resistance to viruses [[electronic resource]]
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Descrizione fisica	1 online resource (227 p.)
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Altri autori (Persone)	EveredDavid HarnettSara
Disciplina	581.234 582 582.0234
Soggetti	Virus diseases of plants Plants - Virus resistance Plant viruses Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Wiley-Interscience publication." "Editors: David Evered (organizer) and Sara Harnett"--P. v. Symposium held at the Ciba Foundation, London, 31 March-2 April 1987.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	PLANT RESISTANCE TOVIRUSES; Contents; Participants; Introduction; Genetics of plant resistance to viruses; Resistance of cowpeas to cowpea mosaic virus and to tobacco ringspot virus; Resistance mechanisms of tobacco mosaic virus strains in tomato and tobacco; The role of pathogenesis-related proteins; Characterization of pathogenesis- related proteins and genes; Mechanism of the hypersensitivity reaction of plants; Resistance systems related to the N gene and their comparison with interferon; Analysis of the N gene of Nicotiana; Mechanisms of cross-protection between plant virus strains Genetic engineering of plants for protection against virus diseasesResistance to viral disease through expression of viral genetic

	material from the plant genome; Plant DNA viruses as gene vectors; Final general discussion; Summary; Index of contributors; Subject index
Sommario/riassunto	Concern about the environmental consequences of the widespread use of pesticides has increased, and evidence of pesticide-resistant virus vectors have continued to emerge. This volume presents a timely survey of the mechanisms of plant resistance and examines current developments in breeding for resistance, with particular emphasis on advances in genetic engineering which allow for the incorporation of viral genetic material into plants. Discusses the mechanisms of innate resistance in strains of tobacco, tomato, and cowpea; various aspects of induced resistance, including the characterization

2.

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Autore	Augustinus, Aurelius <santo>
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