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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction: definitions and some history / Ray Hammerschmidt -- Agents that can elicit induced resistance / Gary Lyon -- Transcriptome analysis of induced resistance / Brendan Kidd, Kemal Kazan and Peer M. Schenk -- Signalling networks involved in induced resistance / Corn M.J. Pieterse, Christos Zamioudis, Dieuwertje Van der Does and Saskia C.M. Van Wees -- Types and mechanisms of rapidly induced plant resistance to herbivorous arthropods / Michael J. Stout -- Mechanisms of defence to pathogens: biochemistry and physiology / Christophe Garcion, Olivier Lamotte, Jean-Luc Cacas and Jean-Pierre Möttray -- Induced resistance in natural ecosystems and pathogen population biology: exploiting interactions / Adrian Newton and Jörn Pons-Kuhnemann -- Microbial induction of resistance to pathogens / Dale R. Walters and Alison E. Bennett -- Trade-offs associated with induced resistance / Martin Heil -- Topical application of inducers for disease control / Beatrice Randoux, Patrice Halama, Ali Siah, Philippe Reignault and Dale Walters -- How do beneficial microbes induce systemic resistance? / Emily Beardon, Julie Scholes and Jurriaan Ton -- Implementation of induced resistance for crop protection / Tony

Reglinski, Elizabeth Dann and Brian Deverall -- Exploitation of induced resistance: a commercial perspective / Andy Leadbeater and Theo Staub -- Induced resistance in crop protection: the future, drivers and barriers / Gary D. Lyon, Adrian C. Newton and Dale R. Walters.

Sommario/riassunto

Induced resistance offers the prospect of broad spectrum, long-lasting and potentially environmentally-benign disease and pest control in plants. *Induced Resistance for Plant Defense 2e* provides a comprehensive account of the subject, encompassing the underlying science and methodology, as well as research on application of the phenomenon in practice. The second edition of this important book includes updated coverage of cellular aspects of induced resistance, including signalling and defenses, costs and trade-offs associated with the expression of induced resistance, research aimed at integ