

induced plant resistance to pdf

For example, the investment in induced resistance may be larger than the benefit from reduced herbivore damage, or induced herbivore resistance may render the plant A. Schaller (ed.), *Induced Plant Resistance to Herbivory*, C Springer Science+Business Media B.V. 2008

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Until recently, plant resistance was believed to be constitutive, i.e. ever-present and independent from herbivore attack. However, plants were discovered to respond actively to herbivory through the mobilization of specific defenses, and this discovery opened an exciting new field of research.

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PDF | Plants have evolved different strategies to protect themselves against pathogen infections.

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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.

Induced Resistance for Plant Defense: A Sustainable

Plant Life of Kentucky: An Illustrated Guide to the Vascular Flora; *Biomedical Frontiers of Fluorine Chemistry*; *Population Biology: Ecological and Evolutionary Viewpoints*; Extra info for *Induced Plant Resistance to Herbivory*. Sample text. 2001; Tumlinson and Engelberth this volume).

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We define induced resistance to herbivory as a plant response that leads to a reduction in the performance or preference of an herbivore that feeds on a damaged plant. We reserve the term "induced defense" for responses that confer resistance against herbivores and increases plant fitness.

Induced resistance is defined by a plant response that

ABSTRACT Plants can be induced to develop enhanced resistance to pathogen infection by treatment with a variety of abiotic and biotic inducers.

Induced Resistance for Plant Disease Control: Maximizing

Density dependence in induced plant resistance to herbivore damage: threshold, strength and genetic variation. " *Oikos* 89: 295-300. The density-dependent effect of induced plant resistance on herbivore populations depends on the relationship between the amount of herbivore damage and the level of induced resistance produced by the plant.

Density dependence in induced plant resistance to

Induced resistance is a state of enhanced defensive capacity developed by a plant when appropriately stimulated. Systemic acquired resistance (SAR) and induced systemic resistance (ISR) are two forms of induced resistance wherein plant defenses are preconditioned by prior infection or treatment that results in resistance against subsequent challenge by a pathogen or parasite.

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