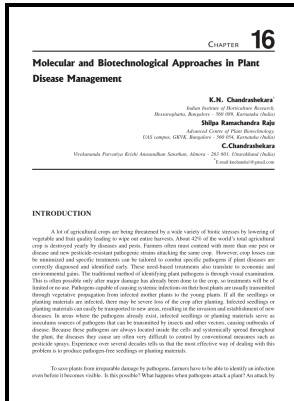


Handbook of molecular technologies in crop disease management

Food Products Press - Diseases of Field Crops and Their Management PDF Book



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Handbook of molecular technologies in crop disease management

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Notes: Includes bibliographical references and index.

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They are used in a wide range of agricultural areas such as, improving soil and water management; producing better crop varieties; diagnosing plant and animal diseases; controlling insect pests and improving food quality and safety.

A review of advanced techniques for detecting plant diseases

This formed the basis for a search of the candidate gene from the pathogen itself.

Biotechnology in Plant Disease Control

Typical candidate genes are that encoding chitinases and β -1,3 glucanases. Candidate genes against bacterial pathogens Xa21, a wide-spectrum bacterial blight resistance gene sourced from an African rice, *Oryza longistaminata* was backcrossed into a cultivated variety by scientists of the International Rice Research Institute, the Philippines IRRI. Due to the addition of PEG there is adhesion of protoplast to their neighbors which can be assessed by microscope.

A review of advanced techniques for detecting plant diseases

Early information on crop health and disease detection can facilitate the control of diseases through proper management strategies such as vector control through pesticide applications, fungicide applications, and disease-specific chemical applications; and can improve productivity. Molecular biology in plant pathogenesis and disease management disease management volume 3 vol 3 narayanasamy isbn 9781402082467 kostenloser versand fur alle bucher mit versand und verkauf duch amazon.

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The technique used is called ELISA enzyme-linked immunosorbent assay.

A review of advanced techniques for detecting plant diseases

In the older tissues, the titre of the viruses increases with increasing distance from the meristem tips. Significant yield losses due to the attack of pathogen occur in most of the agricultural and horticultural crop species.

Biotechnology in Plant Disease Control

It has long been observed that the rapidly growing meristems of plants are usually free of viruses, or at least have much lower concentration of viruses than nonmeristem cells. These proteins may play a direct role in defense by attacking and degrading pathogen cell wall components. The crucial factor in the success of biological control by fluorescent pseudomonads is their ability to colonize the rhizosphere and their persistence throughout the growing season.

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