Plant Pathogen Resistance Biotechnology

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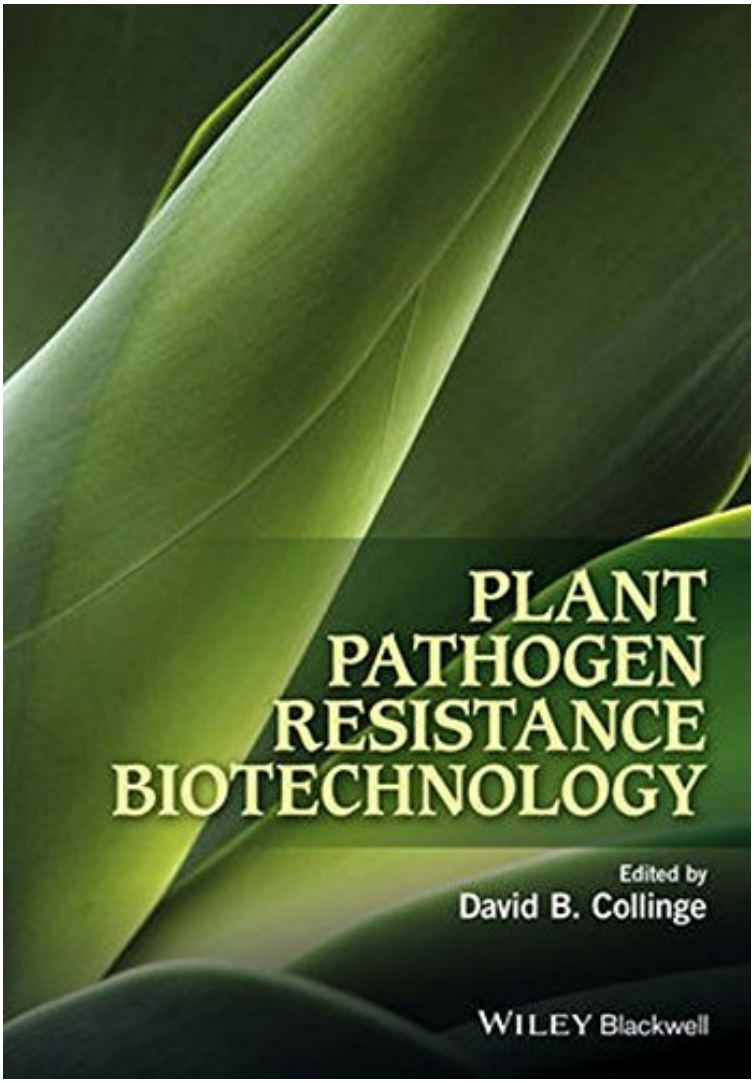

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From Wiley-Blackwell : Plant Pathogen Resistance Biotechnology before purchasing it in order to gage whether or not it would be worth my time, and all praised Plant Pathogen Resistance Biotechnology:

Plant pathogens and diseases are among the most significant challenges to survival that plants face. Disease outbreaks caused by microbial or viral pathogens can decimate crop yields and have severe effects on global food supply. Understanding the molecular mechanisms underlying plant immune response and applying this understanding to develop biotechnological tools to enhance plant defense against pathogens has great potential for moderating the

impact of plant disease outbreaks. Plant Pathogen Resistance Biotechnologys main focus is an in depth survey of the biological strategies being used to create transgenic disease resistant plants for sustainable plant resistance Plant Pathogen Resistance Biotechnology is divided into four sections. The first section covers biological mechanisms underpinning disease resistance in plants, while the second highlights case studies of important pathogen-crop groups and then considers why the application of important pathogen-crop groups, transgenic-based strategies designed to selectively target pathogens could benefit crop production. The third section provides information on the status of transgenic crops around the world, and finally the last part explores high-tech alternatives to genetic engineering for developing disease resistant traits in plants. Edited and authored by leaders in the field, Plant Pathogen Resistance Biotechnology will be an invaluable resource to those studying or researching plant biotechnology, plant pathology, plant biology, plant and crop genetics, in addition to crop science.