



Tomatoes: Agricultural Procedures, Pathogen Interactions and Health Effects

By Eric D. Aube, Frederick H. Poole

Nova Science Publishers Inc. Hardback. Book Condition: new. BRAND NEW, Tomatoes: Agricultural Procedures, Pathogen Interactions and Health Effects, Eric D. Aube, Frederick H. Poole, The tomato is one of the world's major vegetable crops. Like other important crops, tomatoes also suffer huge crop losses due to many severe diseases. In this book, the authors discuss the role of reactive oxygen species (ROS) and antioxidative mechanisms during tomato-pathogen interactions. The different defence genes are reviewed, as well as the recent advances associated with them. In addition, a new approach to pest monitoring is discussed by using plant-driven information for assessing crop health in order to detect pests and damage symptoms. An overview of the current status of tomato pests is given as well, and a general overview of several innovative control strategies is presented. This book also focuses on tomato bioactive compounds from different perspectives, describing how plant defence meets human health. Furthermore, the authors discuss the nonlinear process of tornadogenesis from the viewpoint of the entropic balance theory, by which the "wrap-around mechanism" is developed. Different predominant bacteria in tomato rhizospheric soils is also examined, as well as an analysis of the foremost endophytic contributor for biocontrol and plant growth...



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