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Cultivation Practices; 5.2 Harvest-Related Operations; Summary; References; 6 Influence of Postharvest Handling and Storage Conditions; 6.1 Postharvest Handling; 6.2 Storage Conditions; Summary; References

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9.4 Mechanisms of Biocontrol; 9.5 Enhancement of Efficiency of Biocontrol Agents; 9.6 Formulation of Biocontrol Agents; 9.7 Natural Compounds; Summary; Appendix; References; 10 Biotechnology for the Improvement of Resistance to Postharvest Diseases; 10.1 Genetic Manipulation; 10.2 Activation of Natural Host Defense Mechanisms; 10.3 Mycotoxin Management through Transformation; Summary; Appendix; References; 11 Postharvest Disease Management through Chemicals; 11.1 Fumigants; 11.2 Chemicals Used as Dips; 11.3 Chemicals Applied as Sprays or Dusts

11.4 Assessment of Fungicidal Activity

11.5 Chemicals Alternative to Conventional Fungicides; 11.6 Seed Treatment with Chemicals; 11.7 Development of Resistance to Fungicides; 11.8 Assessment of Fungicide Residues; 11.9 Control of Pathogens on Fresh-Cut Produce; Summary; Appendix; References; 12 Integrated Systems for the Management of Postharvest Diseases; 12.1 Seed-Borne Diseases; 12.2 Postharvest Diseases of Perishables; Summary; References; Addendum: Basic Methods; References; Index

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POSTHARVEST PATHOGENS AND DISEASE MANAGEMENT

Postharvest diseases caused by microbial pathogens account for millions of dollars in losses of both durable and perishable produce products every year. Moreover, with consumers increasingly demanding minimally processed vegetables and fruits--which can be invaded by human pathogens--there is an imperative need for suitable protective measures to provide pathogen-free commodities that are free from, or contain only acceptable levels of, chemical residues. Providing details of both conventional and modern molecular techniques applicable

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