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Autore	Ferrieri, Enzo <1896-1969>
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2. Record Nr.	UNINA9910426054503321
Autore	Mondal Bholanath
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Nota di contenuto	Chapter 1. An Introduction To Cucurbits -- Chapter 2. Insect Pests And Non-Insect Pests Of Cucurbits -- Chapter 3. Mite Pests -- Chapter 4.

Cvertbrate Pest -- Chapter 5. Deaseas Of Cucurbits And Their Management -- Chapter 6. Bacterial Diseases Of Cucurbits -- Chapter 7. Diseases Caused By Phytoplasmas -- Chapter 8. Post Harvest Disease -- Chapter 9. Viral Diseases -- Chapter 10. Eangiospermic Parasite -- Chapter 11. Diseases Caused By Nematodes -- Chapter 12. Weed And Its Management In Cucurbitaceous Vegetables -- Chapter 13. Abiotic Stresses: Nutritional And Physiological Disorders -- Chapter 14. Breeding of cucurbits for resistance against biotic stresses.

Sommario/riassunto

With advances in agro-technology, cucurbits are now being grown throughout the year. However, they are prone to biotic and abiotic stresses resulting in significant yield loss. Sustainable management of such stresses is a complex issue in the intensive cultivation of cucurbits involving high levels of fertilization and irrigation. Further, under the changing climatic conditions, pest scenarios vary constantly, with invasive alien species of pests becoming more common as a result of free trade and frequent international travel. As such, agrochemicals are being used as powerful weapons to combat the increasing number of pests and diseases. Lack of proper crop management technologies, inaccurate diagnosis, and indiscriminate and excessive use of pesticides are major causes of pesticide resistance and resurgence, environmental pollution, and hazards to the non-target biota. This comprehensive book provides essential insights into the management of biotic and abiotic stresses in cucurbit cultivation and re-evaluating the role of agrochemicals, and gathers information on insect pests, mites, nematodes, diseases and weeds, as well as on their sustainable management from scattered sources. Written in language that is easy to understand and including high-quality photographs, it is a valuable resource for students, researchers, plant protection specialists, extension workers, and growers.