



TEXTBOOK OF PLANT DISEASES

P. C. Sharma

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Dr. P. C. Sharma



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Textbook of Plant Diseases

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TEXTBOOK OF PLANT DISEASES

Plant diseases need to be controlled to maintain the quality and abundance of food, feed, and fiber produced by growers around the world. Different approaches may be used to prevent, mitigate or control plant diseases. Beyond good agronomic and horticultural practices, growers often rely heavily on chemical fertilizers and pesticides. Plant diseases are usually caused by fungi, bacteria and viruses. Also there are other diseases which are caused by adverse environmental conditions. Plant diseases are known from times preceding the earliest writings. Fossil evidence indicates that plants were affected by disease 250 million years ago. The Bible and other early writings mention diseases, such as rusts, mildews, blights and blast that have caused famine and other drastic changes in the economy of nations since the dawn of recorded history. Plant pathology or phytopathology is the science dealing with plant diseases and their control. Plant pathologists study plant diseases caused by fungi, bacteria, viruses, nematodes, and parasitic plants. They also study plant disorders caused by nutrient imbalances, air pollution, and other unfavorable growing conditions. The book contains 8 chapters covering holistic information on biocontrol management of fungal, bacterial, nematode and insect pests of economically important plants.



Dr. P. C. Sharma completed his M.Sc. in botany from Uttar Pradesh Vishwavidyalaya, Kosi Kalan, Mathura, Uttar Pradesh and finished his Ph.D. from Gurukul Vishwavidyalaya, Vridanvan, Uttar Pradesh. He wrote research papers on climate change, global warming and various other departments of environment. At present he is working as a head of Department of Science at St. Florance Institute of Engineering. He has few books & articles on his credit published in National and International Journals. Besides participation in National Seminars/Workshops & Conferences.



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