

Book Review

Agrochemicals in Plant Disease Management

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A vast number of plant pathogens cause diseases in crops. They are difficult to control as they form complex diseases and their populations vary with time, space and genotype. They evolve, often overcoming the resistance that may have been the hard-won achievement of the plant breeder. Use of chemicals has been critical in preventing losses due to plant diseases and is one of the most popular and most sought after disease management practices.

Agrochemicals have been used against plant diseases since the 1940s. During the previous decades, there has been a tremendous development in all aspects related to agrochemicals. The agrochemical industry has come a long way with a unique shape and the release of a wide range of chemicals exhibiting novel modes of action. Such latest information on these developments is not much familiar either to academicians or students. Partly this ignorance has been due to the non-availability of an updated publication which would furnish all the aspects related to major agrochemicals used to combat plant diseases. The book 'Agrochemicals in Plant Disease Management' provides latest information on three major agrochemicals (fungicides, bactericides/antibiotics and nematocides) in a systematic and easily understandable format. It consists of nine chapters: "Agrochemicals in Plant Disease Management - Current Scenario, History and Development of Agrochemicals, Formulations, Application and Phytotoxicity of Agrochemicals, Classification and Modes of Action of Agrochemicals, Registration and Regulation of Agrochemicals, Safe Handling and Use of Agrochemicals, Compatibility and Persistence of Agrochemicals, Pollution and Hazards by Agrochemicals and New Generation Fungicides" and

have also been included relevant glossary, bibliography, relevant photographs, illustrations, tables, prominent trade names of agrochemicals and few essential aspects of agrochemicals.

The book has been written in simple and easily understandable language. It is hoped that the comprehensive information of all aspects of Agrochemicals will prove useful to the students, teachers of plant pathology, scientists and handbook to the extension personnel and elite growers.

About the Author Dr NG Ravichandra is working as Professor (Plant Pathology) and Scheme Head, AICRP on Plant Parasitic Nematodes, Department of Plant Pathology, UAS, GKVK Campus, Bengaluru, Karnataka, India. He is involved in teaching, research and extension activities and has over 224 scientific publications in national and international journals. He has authored five text books, contributed chapters to nine text books, authored 10 books in Kannada and edited five books and 12 chapters. He is an active life member of five professional societies and editor for the journal. He has presented original papers on various aspects of plant diseases in several national and international conferences. He has operated research projects funded by the DBT & ICAR, New Delhi as Principal Investigator and Co-Principal Investigator. He was involved in developing eight technologies for the management of root-knot nematodes infecting tomato, brinjal and rice at UAS, Bengaluru, Karnataka, India.

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