

Applied Plant Virology

Second edition

D. Walkey

Disease-free crops and plants are of great economic and social importance in feeding the world's population; and as viruses are a major cause of plant disease internationally, a comprehensive introduction giving an understanding of plant viruses is an essential requirement for the study of this fundamental science.

In this new edition of *Applied Plant Virology*, the various disease symptoms caused by plant viruses are described, followed by a description of procedures used to transmit viruses experimentally, virus purification and virus identification. The different ways in which viruses are transmitted biologically and plant virus epidemiology are discussed, as are the various methods used to control plant viruses. The final chapter is devoted to practical information and introductory exercises that will be of use to teachers for setting class practicals and to students in carrying out practical work. The book also includes a list of all plant viruses described to date and a glossary of plant virus terms.

Applied Plant Virology is essential reading for all undergraduates and postgraduates in plant virology and plant pathology as well as being an invaluable reference source to students and researchers in microbiology, agriculture and general biology.

David Walkey has a background in Botany and Mycology and is Senior Research Virologist at the Institute of Horticultural Research, Wellesbourne.

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K.M. Smith

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