

# Plant Virus Epidemics: Monitoring, Modelling And Predicting Outbreaks

by **George D McLean; Ronald G Garrett; William G Ruesink**

Principles of Predicting Plant Virus Disease Epidemics - Annual . Plant virus epidemics : monitoring, modelling and predicting outbreaks. Book. Plant virus epidemics: monitoring, modelling and predicting outbreaks Mitigating epidemics caused by non-persistently transmitted aphid . 1986, English, Book, Illustrated edition: Plant virus epidemics : monitoring, modelling, and predicting outbreaks / edited by George D. McLean, Ronald G. Garrett, Plant Virus Epidemics : Monitoring, Modelling and Predicting . Recent Advances in Plant Virology - Google Books Result Potato Ecology And modelling of crops under conditions limiting . - Google Books Result Aug 28, 1986 . Plant Virus Epidemics: Monitoring, Modelling and Predicting Outbreaks. by George D. McLean. This book is designed to assist agricultural Plant virus epidemics : monitoring, modelling, and predicting . Book Review - Plant Virus Epidemics: Monitoring, Modelling and Predicting Outbreaks. Edited by C.D. McLean, R.G. Garrett and W.G. Ruesink. Academic Press.

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In Plant Virus Epidemics: Monitoring, Modelling and Predicting Outbreaks, G.D. McLean, R.G. Garrett, and W.G. Ruesink, eds. (Sydney, Australia: Academic Press), p.147-166. 157. Control and monitoring: control strategies for Plum pox virus in Canada. Bull. OEPP 36 (2), 302-304 <http://dx.doi.org/10.1111/j.1365-2338.2006.01000.x>. Mathematical models can project how infectious diseases progress to show the likely outcome of an epidemic and help inform public health interventions. Models use some basic assumptions and mathematics to find parameters for various infectious diseases and use those parameters to calculate the effects of different interventions, like mass vaccination programmes. The modelling can help in deciding which intervention/s to avoid and which to trial. In Plant Virus Epidemics: Monitoring, Modeling and Predicting Outbreaks. (Edited by McLean, G. D., Garrett, R. G., Ruesink, W. G. Academic Press, New York. Ivanoff, S. S., Ewart, W. H. (1944) Aster yellows on vegetable crops and weeds in winter garden region of Texas. Plant Dis. Rep. 28, 972-977. Klein, M., Weintraub, P. G., Davidovich, M., Kuznetsova, L., Zahavi, T., Ashanova, A., Orenstein, S., Tanne, E. (2001) Monitoring phytoplasma-bearing leafhoppers/planthoppers in vineyards in the Golan Heights. Israel J. Appl. Entomol.

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Original Title. Plant Virus Epidemics: Monitoring, Modelling and Predicting Outbreaks. ISBN. 012485060X (ISBN13: 9780124850606). Edition Language. English. Other Editions. None found. Epidemiological models have been used as decision-making tools during outbreaks in human, animal and plant populations. However, as the subject has developed, human, animal and plant disease modelling have diverged. Approaches have been developed independently for pathogens of each host type, often despite similarities between the models used in these complementary fields. With the increased importance of a One Health approach that unifies human, animal and plant health, we argue that more inter-disciplinary collaboration would enhance each of the related disciplines. This pair of theme issues Then, a generic epidemic model of viruses, which is named as the SLBS model, is proposed. Finally, diverse generalizations of the SLBS model are suggested. We believe this work opens a door to the full understanding of how computer viruses prevail on the Internet. 1. Introduction. As a technical term coined by Cohen, a computer virus is a malicious program that can replicate itself and spread from computer to computer. Once breaking out, a virus can perform devastating operations such as modifying data, deleting data, deleting files, encrypting files, and formatting disks [1]. In the past, mas