

Advances in Virus Research – Volume 90

Edited by

Gad Loebenstein and Nikolaos Katis

Cover illustration: Symptoms of necrosis, reduction in size and malformation in seeds of faba bean, virus-infected (right) and healthy (left): causal viruses are *Bean yellow mosaic virus* (A), *Broad bean mottle virus* (B) and *Broad bean stain virus* (BBSV) (D). Necrotic rings caused by *Pea seed-borne mosaic virus* (PSBMV) in broad bean seeds (E, F). Symptoms of necrosis in lentil seeds caused by BBSV (G), virus-infected (right), healthy (left). Necrotic rings caused by PSBMV in pea seed (H) (see Figure 2, chapter 4 by Jones et al).

Contents

Management of Air-Borne Viruses by "Optical Barriers" in Protected Agriculture and Open-Field Crops

Yehezkei Antignus

Transgenic Resistance

Fabrizio Cillo and Peter Palukaitis

Management of Whitefly-Transmitted Viruses in Open-Field Production Systems

Moshe Lapidot, James P. Legg, William M. Wintermantel and Jane E. Polston

Control of Plant Virus Diseases In Cool-Season Grain Legume Crops

Khaled M. Makkouk, Safaa G. Kumari, Joop A.G. van Leur and Roger A. C. Jones

Control of Cucurbit Viruses

Hervé Lecoq and Nikolaos Katis

Virus Diseases of Peppers (*Capsicum* spp.) and Their Control

Lawrence Kenyon, Sanjeet Kumar, Wen-Shi Tsai and Jacqueline d'A. Hughes

Control of Virus Diseases in Soybeans

John H. Hill and Steven A. Whitham

Control of Virus Diseases in Maize

Margaret G. Redinbaugh and José L. Zambrano

Tropical Food Legumes: Virus Diseases of Economic Importance and Their Control

Masrapu Hema, Pothur Sreenivasulu, Basavaprabhu L. Patil, P. Lava Kumar and Dodla V. R. Reddy



ACADEMIC PRESS

An imprint of Elsevier
store.elsevier.com

ISBN 978-0-12-801246-8



9 780128 012468