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Addresses

Proefstation voor de Groenten- en Fruitteelt onder Glas, Zuidweg 38, Naaldwijk, the Netherlands.

Book reviews

J. G. Horsfall, K. F. Baker, G. A. Zentmyer (Ed.): *Annual Review of Phytopathology*. Vol. 9. Annual Reviews, Inc., Palo Alto (Calif.) U.S.A., 1971. 493 pp. Price \$ 10.50.

In an introductory chapter to this volume, W. C. Snyder, under the title 'Plant pathology today' argues that plant pathology, more than any other discipline, is concerned with ecology and environment.

The contents of this volume (20 papers) cover a wide variety of topics. C. B. Orlob discusses the history of plant pathology in the Middle Ages. Five papers concern pathogens such as mycoplasma, parasitic green algae, fluorides as air pollutants that affect plants, and viruses that infect fungi. Three papers deal with epidemiological and ecological problems, and one with chemical control. Most of the remaining articles concern physiological, biochemical, and genetic aspects of plant diseases, reflecting the increasing interest in the backgrounds of the relation between host and parasite. I only mention 'Protein changes in diseased plants' by Uritani, 'Fine structure of host-parasite interfaces in mycoparasitism' by Ehrlich and Ehrlich, 'Microbial penetration and immunization of uncongenial host plants' by Matta and 'Current status of the gene for gene concept' by Flor.

The reviews have been written by prominent specialists and most are excellent. This volume is a valuable addition to a series, which has already proved indispensable to plantpathologists engaged in teaching or research who want to keep abreast of broad developments.

J. Dekker

G. Crüger: *Pflanzenschutz im Gemüsebau. Handbuch des Erwerbsgärtners, Band 10.* 320 pp, with 235 illustrations, 16 pp of literature, glossary and subject index; cloth bound. Verlag Eugen Ulmer, Stuttgart 1971. DM 58.

This German manual on 'Crop protection in vegetable growing' for commercial vegetable growers was mainly written for advisory officers but also for advanced practical growers. For that reason emphasis is laid on descriptions of the various diseases and pests in the German commercial vegetable crops.

The disorders are concisely but clearly described in the sections on the various crops. Some essential information is given on the causative organisms and pests, and this is followed by data on the methods of their control. The text is up-to-date and well illustrated with many photographs.

An introductory chapter deals more systematically with the different causes and incitants of diseases, with weeds and insect pests. The last chapter outlines the various general methods of crop protection and lists the more important pesticides together with information on their application.

An extensive list of publications, grouped according to chapter and crop, further helps those interested in more scientific detail. This list proves that the author is well acquainted with the present research in neighbouring countries and that the book has more than local value. It will also be of great help to teachers and students and all others involved in plant protection and able to read German.

L. Bos