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## Addresses

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## Book review

K. Heinze: *Leitfäden der Schädlingsbekämpfung, Band I. Schädlinge und Krankheiten im Gemüsebau*. Wissensch. Verlagsgesellschaft m.b.H., Stuttgart, 4th edn. 1974. 360 pp, 48 figs, 1629 references, subject index; cloth bound, dust jacket. Price DM 96.

This German book on 'Pests and diseases in vegetable growing' is a completely rewritten text of Volume I of W. H. Frickhinger's 'Guides to pest control', first published some 30 years ago.

It contains concise descriptions of the animal pests, viruses, fungi, and non-parasitic diseases of various crops, with diagnostic data on damage and symptoms caused, and on the pests and disease incitants themselves, their biology and, of course, their control. Weeds are not described, but for each crop specific methods of weed control are listed.

The text has been carefully prepared, is up-to-date and refers to an extensive list of publications. The recording of virus particle sizes in mm instead of in nm (1 mm = 1,000,000 nm) is uncommon and cumbersome.

The book has been written especially for Germany, as shown by the language used and the selection of crops, pests and diseases included. However, it provides much valuable information for surrounding countries in Western and Central Europe. It will be of great help to commercial growers with a scientific background, to advisory officers, teachers, students and all others involved in plant protection.

L. Bos

H. G. Franz: *The functional response to prey density in an acarine system*. Pudoc, Wageningen, 1974. 143 pp, 32 figs, 4 plates. Paperback. Price Dfl. 20.80.

The effect of prey density on the number of prey killed, (the functional response curve), was the subject of Franz's thesis. In a careful study he succeeded in quantifying the many behavioural components involved in the predation process. This enabled him to construct a simulation model with a new method of simulation, the compound simulation. He showed that the shape of the computed functional response curve is mainly determined by the decrease of the success ratio with increasing prey density. The simulation showed that in biological control it can be advantageous to introduce a harmless and rather unattractive alternative prey species together with the predator.

The book is considered as a most useful contribution to the understanding of prey-predator relationships.

G. W. Ankersmit