
ERWIN MÜLLER-KÖGLER: PILZKRANKHEITEN
BEI INSEKTEN *Publishing House Paul Parey, Berlin, 1965, 460 pp.*
40 Figs., 12 Pl.

This book covers the field of entomophytic fungi, their use in insect control and gives a systematic survey of fundamental work with insect-attacking fungi. The first of the three parts of the book informs on the use of entomophytic fungi in the control of insects with an emphasis on the results of the last 20—30 years. Full use has been made of the literature cited and the reader obtains a clear picture of published experiments. Apart from the direct application of pure fungi preparations, the author also mentions the synergistic application of fungi with insecticides. The second part gives fundamental information on the isolation, cultivation and application of the fungal material and on the evaluation of secondary effects. Consideration is given to the various dependences of fungal preparations on media, hosts, diluents and fillers. The third part deals with the fundaments of the pathogenesis, the course of the infection and the epizootiology of fungal infections.

The book differs in its arrangement from customary schemes, the succession of its three chapters being reversed from the practical application back to theoretical conditions. There is a perceivable lack of a taxonomical and morphological chapter, a subject greatly neglec-

ted in today insect mycology, which would certainly bring a number of interesting items. In full, the author discusses the comparison of certain relations and reactions of the wide range of fungi (preferences on media, the influence of the number of passages, the time of cultivation, the host species a. o.). For its completeness and careful comparative evaluation the book is an invaluable contribution to modern mycological literature.

The author is a pupil of the classical mycological school and his interpretations are dedicated and true to the sense of the original works. He evaluates infections of not only important agricultural pests, but also of a number of vectors of parasitic diseases. For its wide spectrum the work will be of importance as a useful manual for entomologists, mycologists and general parasitologists. The extensive bibliography of 1,100 citations comprises the works of the last 20 years. The Soviet, Polish and Czechoslovak mycological literature is well represented both in the citations and in the text. The printing has been done with the traditional care and high quality of the set out and the illustrations.

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