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Insects on plants. Community patterns and mechanisms

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Author Affiliation : Florida State University, Tallahassee, USA.

Book : [Insects on plants. Community patterns and mechanisms.](#) 1984 pp.vi + 311
of

Abstract : In this book on the ecology of insects on plants, the authors add themselves to the questions of how predictable are natural communities, how competition between component species in determining community structure, the proportion of coexisting species in contemporary communities are coevolved, and a series of more detailed related questions. Much of the work on which the book

was carried out by the authors in the USA and UK, and many of the species communities discussed are of economic importance, including pests of crop trees and potentially beneficial insects feeding on weeds (including bracken *aquilinum*). The authors also draw on literature published up to the end of Chapters are devoted to the evolution of phytophagous insects; the major of diversity; community patterns through time (the dynamics of colonisation speciation); species interactions in communities (the animals) (including parasitoids and predators); interactions involving the plants; and coevolution. The synthetic seeking approach to community ecology is combined with reductionist methods to isolate single mechanisms for study. It is considered that this publication will be of interest for senior undergraduates and research workers in the fields of entomology, agriculture and botany.

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