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Nota di contenuto	Behavioral Ecology of Insect Parasitoids: From Theoretical Approaches to Field Applications; Contents; Contributors; Preface; Part 1 Current issues in behavioral ecology of insect parasitoids; 1 Optimal foraging behavior and efficient biological control methods; 2 Parasitoid fitness: from a simple idea to an intricate concept; 3 Parasitoid foraging and oviposition behavior in the field; 4 Behavior influences whether intra-guild predation disrupts herbivore suppression by parasitoids; 5 Chemical and behavioral ecology in insect parasitoids: how to behave optimally in a complex odorous environment 6 Parasitoid and host nutritional physiology in behavioral ecology7 Food-searching in parasitoids: the dilemma of choosing between

'immediate' or future fitness gains; 8 Information acquisition, information processing, and patch time allocation in insect parasitoids; 9 Competition and asymmetric wars of attrition in insect parasitoids; 10 Risk assessment and host exploitation strategies in insect parasitoids; Part 2 Extension of behavioral ecology of insect parasitoids to other fields; 11 Multitrophic interactions and parasitoid behavioral ecology
12 Parasitoid sex ratios and biological control
13 Linking foraging and dynamics; 14 Linking behavioral ecology to the study of host resistance and parasitoid counter-resistance; Part 3 Methodological issues in behavioral ecology; 15 State-dependent problems for parasitoids: case studies and solutions; 16 A Bayesian approach to optimal foraging in parasitoids; 17 Finding optimal behaviors with genetic algorithms; 18 Statistical tools for analyzing data on behavioral ecology of insect parasitoids; Index

Sommario/riassunto

Written by a team of leading international specialists, Behavioral Ecology of Insect Parasitoids examines the optimal behaviors that parasitoids exhibit in order to maximize long term offspring production. It is an essential reference for research scientists and students studying these fascinating insects or for anyone involved in using parasitoids in biological control programs. Reviews topical issues, including cutting edge research on parasitoid decision making and the implications for biological control
Explores applications in other fields, provides infor
