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before purchasing it in order to gauge whether or not it would be worth my time, and all praised Plant Kairomones in Insect Ecology and Control (Contemporary Topics in Entomology):

0 of 0 people found the following review helpful. Semiochemicals The Future Of Pest Management By albeltagy The Revolution of chemical pesticides in industry and agricultural production which began with the discovery of DDT

insecticidal properties by Paul Hermann Muller in 1939 (Noble Prize in medicine 1948) started its decline (as a false revolution) in 1962 with the deceleration of Rachel Carson in her magnificent book " The Silent Spring " about the harmful effects of chemical pesticides on both the environment and human health. The true revolution from the aspect of pest control has begun in 1959 ( 20 years after the false one ) with the discovery and identification of the first insect pheromone, Bombykol, the silk worm *Bombyx moris* sex pheromone by Adolf Friedrich Johann Butenandt ( The Noble Prize in Chemistry 1939, discovery of human female sex hormones, estrone and other primary female sex hormones, received in 1949). Since then Semiochemicals (especially pheromones and Kairomones) have been pointed out as the future tool of the integrated pest management (IPM). By the beginning of the 21 century, the era of chemical pesticides started its end in industry (many pesticide companies closed or converted to Semiochemicals manufacturing) and agriculture production (too many pesticides proved to be environmental pollutants), while the era of Semiochemicals have begun to take its role in human development and civilization, as a clean industry and clean pest management tools.

The nature of the coevolutionary process that produced the interactions between plant kairomones and insect sensory organs suggests that kairomones can be employed for insect control in a variety of baits and traps. This book discusses the major theoretical approaches to the subject, as well as a number of specific applications in pest control. The authors describe their own work with volatile kairomones and their synthetic analogues used in the control of fruitflies and the corn rootworm beetle, and provide an overview of other research in this area. Professionals, professors, and graduate students in the fields of entomology, crop protection biochemistry, ecology, toxicology, and evolutionary biology will find that this concise and timely book contains much new and useful information. Researchers in biotechnology, particularly in the agricultural area, and agricultural, plant, and natural product chemists, will also find here the most up-to-date work available on plant kairomones and pest management.

'Those with an interest in this field will find the book valuable. It is well written , well illustrated, and abounds with references.' *Entomological News* `...its highly focused content is of great importance across the board of entomological study.' *British Journal of Entomological Natural History* `...its excellent organisation and writing style, as well as high quality print and graphics...Careful planning and editorial care are evident in details such as definitions of terms and internal cross-referencing...I and many others fortunate enough to know or just know about the authors will treasure this inexpensive book as a capstone to a long-running and inspired research project in the exemplary career of one of the World's greatest entomologists and a warm and truly inspiring scientific collaboration.' *Ecology*