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Studies on insect behavior regulators

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Abstract:

In addition to conventional insecticides, damage by pest insects could be prevented by controlling their behavior using chemicals, such as pheromones. Lepidopteran sex pheromones with strong attraction are one of the most promising chemicals. Analytical methods for the identification of pheromones, their synthesis, application for agriculture, and biosynthetic studies concerned with pathways, inhibitors, and an activating endocrine system are reviewed. © Pesticide Science Society of Japan

Keywords:

insect pheromones, behavior regulation, attraction, communication disruptants, biosynthesis regulators

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