

PHEROMONES AS TOOLS IN INTEGRATED PEST MANAGEMENT

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ABSTRACT

Integrated Pest Management (IPM) or Rational Pest Management is an unified approach of all available farming techniques for the eco-friendly management of obnoxious insect pests for better and cleaner agro-products. Semiochemicals / pheromones, the chemicals released by both animal and plant kingdoms for certain communication purpose, sometimes to the benefit of releaser and in other time to the receiver play a major role in IPM. Specially, sex pheromones are looked upon with greater expectations for the control of pests through IPM as they are natural and biodegradable compounds.

However, our Indian Agriculturist / Farmer unfortunately is not clearly aware of the potentialities of these chemicals and their utility for better agricultural strategies. It may be due to poor publicity and the lack of proper infrastructure in the agricultural extension departments through out the country. In this direction, IICT has initiated the work on insect pheromones and their utility in IPM strategies both through National and International Collaborative Programmes to popularize the pheromones in IPM technology. The strengths of IICT and its establishment as a Center for Pheromone Research in isolation, identification, synthesis and field evaluation will be discussed / presented.



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On

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by

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