

Mating Disruption/SIR

Laboratory Evaluations of Consep's Sprayable Pheromone Formulations

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Consep, Inc., an environmentally focused, diversified pest control company, provides products for the commercial agricultural market. Consep manufactures and distributes safe, effective pest control products that use a variety of proprietary technologies. Marketed under our mating disruption product line are our Checkmate® Flowable products that are based on microencapsulated pheromone sprayable technology.

The primary function of a microcapsule is to alter the physical characteristics of the core material. The microporous capsule coating controls the evaporation of the pheromone active ingredient for prolonged release and, subsequently, extended pest control. Coupling efficacy to ease of use, market pressures have mandated continued focus and research in order that we may deliver a wider variety of pheromone actives.

In 1997 Consep introduced commercially sprayable formulations for pink bollworm (*Pectinophora gossypiella*) and tomato pinworm (*Keiferia lycopersicella*). Within the next two years, omnivorous leafroller (*Platynota sultana*) and oriental fruit moth (*Grapholita molesta*) were introduced to the market. These four products have accounted for over 25,000 bottles and approximately 250,000 treated acres. Additional targets for the new millennium are codling moth (*Cydia pomonella*), peach twig borer (*Anarsia lineatella*) and diamondback moth (*Plutella xylostella*). Initial field trials have been positive and product development is currently underway. Through our experience and continued research Consep, Inc. has developed microencapsulation techniques for virtually any pheromone.