Title: Use of Mating Disruption for Pink Bollworm in Cotton in North America

Presenter: Jack W. Jenkins
Pacific Biocontrol Corporation
620 E. Bird Lane
Litchfield Park, Arizona 85340
Tel: 623 935 0512 Fax: 623 935 0513
Email: jackjenkins@qwest.net

Insect: pink bollworm, *Pectinophora gossypiella* (Saunders)

Key word: mating disruption, pheromone, gossyplure

Abstract: The pink bollworm, *Pectinophora gossypiella* (Saunders), is one of the most serious pests of cotton worldwide causing losses in both yield and quality. In the United States pink bollworm costs cotton producers over $21 million dollars for prevention, control and yield losses. Mating disruption has provided a viable method for control of this pest. Presently there are several types of mating disruption formulations used for pink bollworm . These materials represent various use methods and modes-of-action. In 2001 a multi-year areawide program began in North America which employs several types of mating disruption formulations, sterile insect technology and transgenic cotton. A goal of this program is elimination of the pink bollworm from North America cotton production areas.