Mating Disruption/SIR

Evaluation of three consecutive years of mating disruption for control of greater peachtree borer (*Synanthedon exitiosa*) in peach

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Abstract: Placement of Isomate-P (rope-style) dispensers (Biocontrol Limited, Vancouver, WA) in one to four approximately one-acre peach orchards in 2000-2002 resulted in complete trap shutdown of greater peachtree borer (GPTB) moths. In contrast, low to moderate densities of GPTB moths (0.05-2 moths per trap per day) were captured in insecticide-treated comparison peach orchards. There were no untreated comparison orchards. Lower peach tree trunks were inspected for borer injury in September or October of each year. No GPTB injury was detected in any orchard in any year. Mating disruption provided complete control of GPTB in small peach blocks (one acre), comparable to a standard insecticide program (single application of Lorsban to lower trunks each year).

Mating disruption/SIR

New trap and lure formulations for *Rhagoletis* species and olive fruit fly

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Abstract: IPM Tech has developed and tested novel controlled release formulations for known attractants and tested these in novel yellow sticky trap designs, targeting cherry fruit fly in Montana, apple maggot in Washington and Oregon and olive fruit fly in California. Results will be presented from the 2002 trapping season.