Mating Disruption/SIR

Alternative Mating Disruption Choices for Codling Moth and Leafroller

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Abstract: Alternatives to hand-applied mating disruption technology for codling moth and leafrollers continue to be evaluated. Scentry Biologicals NoMate CM and OBLR Fibers were evaluated in large 15-acre sites at rates of 100, 200 or 200 grams of fiber plus pesticide compared with untreated (no pheromone), Checkmate XL-1000 or Isomate C+ hand-applied dispensers. Most sites showed a reduction in trap catch compared to an untreated control but this was not always directly correlated with fruit injury or larval densities. IPM Technologies LastCall OBLR/PLR Attract and Kill formulations were evaluated in large 15-acre and smaller 1-acre sites replicated 2-4 times. Rates of 300, 600 or 1200 drops per acre were compared to untreated (no pheromone) controls. There was no rate effect observed in drops per acre but all rates significantly reduced trap catch compared to the untreated control. Evaluations of overwintering populations will be conducted in early spring 2004 to determine effects of 2nd generation applications of Scentry Biologicals NoMate CM and OBLR Fibers and IPM Technologies LastCall OBLR/PLR formulations on populations of 2003.