

Mating Disruption/SIR

Mating Disruption of Codling Moth—Importance of Point Sources and Evaluation of Products

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Keywords: codling moth, Isomate, Checkmate, Cidetrak, Ecogen black spiral, apple, pear

Disruption with codlemone of female-baited traps was significantly higher with 400 than either 100 or 200 point sources. No significant difference was seen between 1 mg and 2 mg point sources at these dispenser densities. The effect on moth catch of point source density and release rate was not significant for traps baited with either 1 mg or 10 mg lures. The average loss of pheromone per day from Checkmate and Isomate dispensers was determined from one and two sites, respectively. The Isomate C+ dispenser released an average of 0.54 to 0.61 mg/day. The Checkmate had a very high release rate, averaging from 2.6 to 3 mg/day and ran out of pheromone by 60 days. Four 10-acre plots of Isomate C++, Checkmate, Cidetrak and Ecogen's black spiral were each tested in growers' orchards near Mattawa, Wapato, Brewster and Tonasket. Orchards were mature Red Delicious trees. Orchards were monitored with both 1 mg baited and 10 mg baited lures. Fruit injury was assessed at mid-season and prior to harvest.