

Chemical Control/New Products

The Addition of the Pear Ester to Improve Insecticidal Control of Codling Moth

Alan Knight  
USDA, ARS, YARL, Wapato, WA

*Keywords:* *Cydia pomonella*, apple, pear, pest management, kairomone, sex pheromone

Abstract: The pear ester, ethyl (2*E*, 4*Z*)-2, 4-decadienoate, is a potent kairomone attractant for codling moth adults and larvae. Studies have demonstrated its utility in monitoring adult populations in walnut, apple, and pear. More recently, the pear ester has been used in several ways to directly control codling moth. These have included the use of baited killing stations, hand-applied and microencapsulated formulations for mating disruption, and microencapsulated formulations to disrupt oviposition and as an adjuvant to enhance larval mortality. Data for each of these uses of pear ester will be presented and discussed during my talk.