

MANAGING CODLING MOTH WITH KAIROMONE /
SEX PHEROMONE-BAITED STATIONS IN APPLE

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Abstract: Four replicated plots were established in May with either 24 or 40 bait stations per acre in several heavily infested orchards under mating disruption for codling moth. Initially we baited 25% of the traps with both DA2313 and L2 pheromone lures and the remainder with only DA2313. Bait stations were treated with esfenvalerate at a rate of 0.18 mg A.I./cm². The insecticide residue was renewed ca. every two weeks through 9 August. Plots were rearranged in June to include only four 1-2 acre plots treated with 24 stations per acre. All stations were baited with both lures for the remainder of the season. Two of these plots received 11 oil applications during the season. Fruit injury compared with untreated plots was dramatically reduced at mid-season (95% in the MD+DA and 99% in the MD+DA+oil). However, this success deteriorated during August and September. Possible factors affecting the performance of the bait stations will be discussed.