The efficacy of emamectin benzoate with UV protectant at different doses was compared with the emamectin benzoate for the control of codling moth on the apple trees at Eğirdir/Isparta and Çivril/Denizli during 2012. The types of treatments were control (water), the highest concentration of emamectin benzoate (0.20 g L⁻¹) and different doses (0.12, 0.15, 0.17 and 0.20 g L⁻¹) of emamectin benzoate with UV protectant.

Emamectin benzoate with UV protectant preparation showed 56.71, 79.69, 84.12 and 95.07% effects at 0.12, 0.15, 0.17 and 0.20 gL⁻¹, respectively in Eğirdir/Isparta as compared to 40.50% emamectin benzoate application showed effect at 0.20 gL⁻¹. In control plots, 15.17% damaged fruits were determined. Fruit damage in control plots was statistically significant from the treatment plots.

In Çivril/Denizli, effects of emamectin benzoate with UV protectant preparation at 0.12, 0.15, 0.17 and 0.20 gL⁻¹ concentration were observed as 69.45, 92.78, 95.34 and 96.44%, respectively. Effect of emamectin benzoate at 0.20 gL⁻¹ dose was determined as 65.97%. In control plots, 37.81% damaged fruits were determined and fruit damage in control plots was statistically significant from the treatment plots.

The results of this study showed Emamectin benzoate with UV protectant preparation was more effective at lower dosage than the highest concentration of Emamectin benzoate preparation.