

Toxicity and Lethal Effect of Greenhouse Insecticides on *Coccinella septempunctata* (Coleoptera: Coccinellidae) as Biological Control Agent of *Myzus persicae* (Hemiptera: Aphididae)

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The experiment was conducted in a typical Venlo-type greenhouse with an area of 200m², covered with polyethylene and located at the experimental field of the Agriculture Department of the University of Peloponnese, Kalamata is 5m above sea level (latitude 37°03'40" N, longitude 22°03'41" E). The greenhouse air temperature was not left to fall below 16°C by using a fan heater.

The greenhouse air temperature was measured with copper–constantan thermocouples (0.2mm), which were placed in a ventilated chamber in the center of the greenhouse and at a height of 1.5m from the soil. A relative humidity sensor (Thermometriks, Na1015) was placed in the same ventilated chamber. Solar radiation inside the greenhouse was measured with a

pyranometer (CM 11, Kipp & Zonen, The Netherlands). Every 10 minutes, the values of the above measurements were recorded by a datalogger (DL 2e, Delta-T Devices, UK).

The night-period greenhouse air temperature fluctuated between 15.8 and 18.9°C, while the day-period greenhouse temperature fluctuated between 17.1 and 29.6°C. The 24-hour mean temperature was 19.8°C. Relative humidity during the night ranged between 67 and 90%, and during the day, it ranged between 48 and 90% (Fig S1). The mean incident solar radiation in the greenhouse during the day was 193W m⁻².

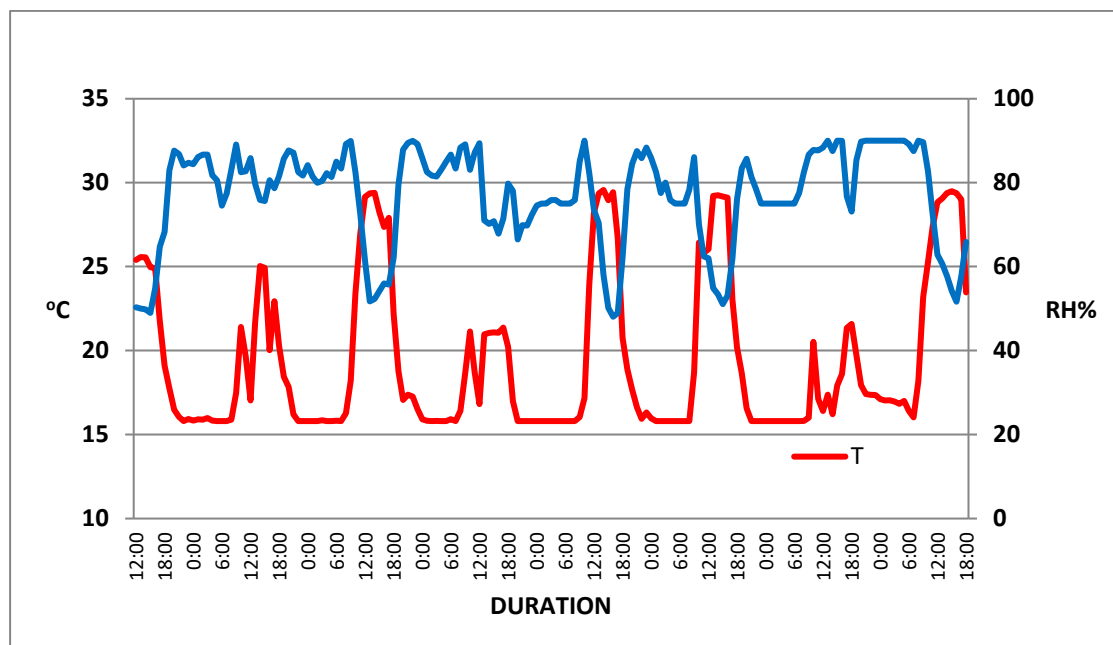


Fig S1. Variation of temperature and relative humidity in greenhouse during the assessing the residual toxicity of imidacloprid and deltamethrin of *C. septempunctata*.