

OP172
Invasive Scale Insects (Hemiptera: Coccoomorpha) of Turkey

Selma ÜLGENTÜRK¹ M. Bora KAYDAN²

¹Department of Plant Protection, Faculty of Agriculture, Ankara University, Turkey

²Çukurova University, Biotechnology Application and Research Centre, Turkey
ulgentur@agri.ankara.edu.tr

Aim of Study: Goals of this study are presented economically imported invasive scale insects (Hemiptera: Coccoomorpha) that last decades incidental introduced and unwanted spread in Turkey.

Material and Methods: Sampels were collected irregularly intervals during 2007-0017 in Turkey. Scale insects were prepared for light microscopy using the methods of Kosztarab & Kozar (1988). Informations of other invasive scale insect were based on author' records and bibliographic sources.

Results: It was record a new *Acanthococcus* sp. on *Lagerstroemia* sp for Turkish fauna and some new hosts and distribution of notorious scale insects such as *Maconellicoccus hirsutus* (Green), *Nipaecoccus nipae* (Maskell), *Nipaecoccus viridis* (Newstead), *Phenacoccus madeirensis* Green, *Phenacoccus solani* Ferris, *Phenacoccus solenopsis* Tinsley (Pseudococcidae) recently in Turkey. These species produce heavy infestations in suitable climatic conditions, hosts and lacking natural enemies in new regions. They caused important economical and esthetical lost beside of spreading of some plant diseases.

Keywords: Coccoidea, *Maconellicoccus hirsutus*, *Phenacoccus solenopsis*.