

**Re-description and Biocontrol Information of *Pauesia antennata*
(Mukerji) (Hym., Braconidae, Aphidiinae), Parasitoid of
Pterochloroides persicae (Chol.) (Hom., Aphidoidea, Lachnidae)**

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ABSTRACT

A survey was carried out on the distribution and seasonal occurrence of *Pauesia antennata* (Mukerji) in some provinces of Iran. *P. antennata* was the only specific parasitoid of the brown peach aphid, *Pterochloroides persicae* (Chlor.) that occurred in all of the sampling areas where the aphid was active. Activity of the parasitoid in spring was severely reduced by chemical treatments. Because of the host specificity, distribution and synchronization with its host, *P. antennata* can be an effective biological control agent. Five species of hyperparasitoids, *Dendrocerus carpenteri* (Curtis) (Hym., Megaspilidae), *Syrphophagus aphidivorus* (Mayr) (Hym., Encyrtidae); *Pachyneuron aphidis* (Bouche), *Euneura lachni* (Ashmead) (Hym., Pteromalidae), and *Tetrastichus* sp. (Hym., Eulophidae) were active in the studied area. *P. antennata* was re-described and the differences from the original materials were discussed.

Key words: *Pterochloroides persicae*, *Pauesia antennata*, re-description, biological control, hyperparasitoids, Iran

INTRODUCTION

The brown peach aphid, *Pterochloroides persicae* (Chol.) is one of the common pests of the prunaceous trees which has assumed pest status in several countries in