



A new species of *Greenisca* and two new species of *Ovaticoccus* from Italy (Hemiptera Coccoidea Eriococcidae), with a key to European genera of Eriococcidae.

GIUSEPPINA PELLIZZARI¹ & FERENC KOZÁR²

¹University of Padova, Department of Environmental Agronomy and Plant Production -Entomology, viale dell'Università 16, 35020 Legnaro, Italy. E-mail: giuseppina.pellizzari@unipd.it

²Plant Protection Institute, Hungarian Academy of Sciences, Herman Ottó út 15. 1022 Budapest, H-1525 P.O.Box 102, Hungary. E-mail: h2405koz@ella.hu

Abstract

Three new eriococcid species from Italy are described and illustrated, namely *Greenisca oreophila* **sp. n.** off Poaceae, and *Ovaticoccus exoticus* **sp. n.** and *O. agavacearum* **sp. n.**, off Agavaceae. Their morphological relationships are discussed and keys to *Greenisca* and *Ovaticoccus* species are provided, together with a key to the Eriococcidae genera so far known in Europe. A check-list of Italian Eriococcids is added.

Key words: Felt scale insects, taxonomy, distribution, Switzerland, Palaeartic and Nearctic Regions, *Greenisca* key, *Ovaticoccus* key, check-list Italian Eriococcidae

Introduction

There has been very extensive progress in the study of the Eriococcidae throughout the world in the last years (Gullan & Cook, 2007; Erkilic *et al.*, 2011; Foldi & Kozár, 2007; Hardy & Gullan, 2007; Hardy *et al.*, 2008; Henderson, 2007; Hodgson & Trencheva, 2008; Hodgson & Miller (2010); Kaydan & Kozár, 2008; Kozár, 2009; Kozár & Konczné Benedicty, 2008, 2008a; Kozár *et al.*, 2007, 2008, 2009; Miller & Gimpel, 2000; Ouvrard & Kozár, 2009; Pellizzari & Germain, 2010; Szita *et al.*, 2011; Williams, 2007). This has led to many new species in most zoogeographical regions.

The use of ScaleNet (Ben-Dov *et al.*, 2011) is of great utility in obtaining distributional data, but may be the cause of uncertainty when data from published papers differ from those in ScaleNet: i.e. according to Kozár (2009), the known eriococcids in the Palaeartic Region has reached 198 species, whereas ScaleNet lists only 183 species (Ben-Dov *et al.*, 2011). Similar differences can be found by comparison of National lists (Foldi, 2001; Pellizzari & Russo, 2005; Kozár, 2005) and ScaleNet lists. The discrepancies in species lists in the above mentioned references and subsequent complications caused by the many new species, demonstrate that we need more new collecting data, revisions, nomenclatural clarification and updating of National and regional lists to improve our knowledge on this subject.

Three new eriococcid species found in Italy and belonging to *Greenisca* and *Ovaticoccus* are here described; of these, the new *Greenisca* is an autochthonous species, whereas the two new *Ovaticoccus* are introduced alien species.

Material and methods

In the present paper, we follow the classification and nomenclature of Kozár (2009) and partly of Hodgson and Miller (2010). Terminology used in the descriptions follows mostly that used by Foldi and Kozár (2007), Hodgson and Miller (2010), Kozár *et al.* (2007) and Miller and McKenzie (1967). Measurements of the body are given in