



A new species of the genus *Otiorhynchus* GERMAR, 1822 (Coleoptera: Curculionidae: Entiminae) from Western Anatolia (Turkey)

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Abstract

A new *Otiorhynchus* GERMAR, 1822 species from Western Turkey is described and illustrated. *O. (Paracryphiphorus) magnanoi* sp. n. is closely related to *O. (Paracryphiphorus) bicostatus* BOHEMAN IN SCHÖNHERR, 1843.

Key words: *Otiorhynchus*, Coleoptera, Curculionidae, Entiminae, Turkey, new species

Introduction

All species of the genus *Otiorhynchus* GERMAR, 1822 are phytophagous insects. Several species of the genus are considered economically important pests as they cause severe damage to cultivated plants all around the world and particularly in the Palearctic region.

186 species of the genus *Otiorhynchus* have been reported from Turkey to date (Braun 1989a; 1989b; 1991a; 1991b; Davidian and Yunakov 2002; Lona 1936; Magnano 1977; 1999a; 1999b; 2001; Pesarini 1974; Reitter 1912a; 1912b; 1913; Winkler 1932 and Magnano personal communication) and more than half of those species are endemic. The majority of the data, however, regarding the otiorhynchid fauna of the region, are based on records prior to the 1950s. Most studies carried out after the 1950s have focused on a few species which are known to be important agricultural pests (Hoffmann 1964; Lodos 1960; Lodos et al. 1978; 2003; Öncüer and Karagöz 1995). No detailed survey of the existing species in Turkey has been conducted so far. Currently, there is an increasing need for the specification of the elements of the otiorhynchid fauna due to the rapid progress in agricultural research.

In the context of the ongoing studies on the *Otiorhynchus* of Western Anatolia a new species has been found and it is now being described. Keskin (2005) had already presumed the status of the aforementioned taxon but had not described it as a new species due to lack of sufficient number of specimens.

Otiorhynchus (Paracryphiphorus) magnanoi sp. n.

Material examined. Holotype: Male, ZDEU Ent. 2006-500 (Fig. 2a), 08.XII.2006, Gümüldür-İzmir/TURKEY, B. Keskin leg., 20 m; 38°09'N–26°50'E; Paratypes: Female, ZDEU Ent. 2004-11 (Fig. 2b), 30.III.2004, Gümüldür; Izmir/TURKEY, B. Keskin leg., 20 m, 38°09'N–26°50'E; Female, ZDEU Ent. 2006-501, 08.XII.2006, Gümüldür; Izmir/TURKEY; B. Keskin leg., 20 m, 38° 09' N–26° 50' E; Male, CM (Italy) 08.XII.2006; Gümüldür; Izmir/TURKEY, B. Keskin leg., 20 m, 38° 09' N–26° 50' E; Female, LEMT, 25.IV.1977, Torbalı-Izmir/TURKEY; Male, LEMT, 2.XII.1970, Gümüldür-Izmir/TURKEY.