



## Description of a new species of *Odonaspis* Leonardi (Hemiptera: Coccoomorpha: Diaspididae) from Australia

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### Abstract

The adult female of *Odonaspis bouldersensis* Ben-Dov, new species, collected in the Boulders National Park, Queensland, Australia, off a species of Poaceae, is described.

### Introduction

The tribe Odonaspidini (Hemiptera: Coccoomorpha: Diaspididae) includes 54 species, all grass infesting armoured scales, that are distributed among the genera *Circulaspis* MacGillivray, *Dicirculaspis* Ben-Dov, *Froggattiella* Leonardi and *Odonaspis* Leonardi (Ben-Dov, 2015). The species belonging to these genera have been recorded from most zoogeographical regions (Ben-Dov, 2015). However, only 5 species have been recorded from the Australian continent (Ben-Dov 1988, Aono 2009). However, this includes a record of *O. secreta* which is based on a list by Leonardi (1897) for which there are no known supporting specimens.

This paper presents the description of a new species in the genus *Odonaspis* collected by the author in Queensland, Australia. This is the second endemic species from the Australian region with *O. australiensis* Ben-Dov, 1988.

### Material and methods

The specimens studied were slide-mounted using the technique outlined by Ben-Dov and Hodgson (1997). Measurements of body size are given in millimeters (mm), and those for other morphological structures are in micrometers ( $\mu\text{m}$ ). Morphological terms used in the description of the new species are based on those that are currently used in scale insect studies (e.g. Ben-Dov 1988; Miller & Davidson 2005).

The illustration of the adult female presents the entire body divided by a line down the middle, with the dorsum on the left side and the venter on the right. Enlargements of important characters are shown around the central drawing but not drawn to the same scale.

Depositories of specimens are: Australian National Collection of Insects, Canberra ACT, Australia (ANIC); Coccoidea Collection, Department of Entomology, Agricultural Research Organization, Bet Dagan, Israel (ICVI); Muséum National d'Histoire Naturelle, Paris (MNHN); The Natural History Museum, London (BMNH).

### *Odonaspis bouldersensis* Ben-Dov, n. sp.

#### Adult female (Fig. 1).

**Material examined.** AUSTRALIA, Queensland, Boulders National Park, on undetermined Poaceae, 21.ii.2004; holotype adult female (C-5519:1) and 7 paratype adult females (C-5519). The holotype and 3 paratypes will be deposited in ANIC; 2 paratypes will be deposited at ICVI, and one paratype at each of MNHN and BMNH.

Scale cover of the adult female not available for study.

Body elongate-oval, 0.4–0.75 mm long, 0.2–0.4 mm wide. Margin of pygidial segment VIII forming a rounded