



## Description of the immatures of *Charidotella (Charidotella) flaviae* Maia & Buzzi, 2005 (Coleoptera, Chrysomelidae, Cassidinae)

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### Abstract

The immature stages of *Charidotella (Charidotella) flaviae* Maia & Buzzi, 2005, collected on *Ipomoea cairica* (Linnaeus) Sweet (Solanales: Convolvulaceae) leaves, are described and illustrated. All of the immatures were from Curitiba, Paraná, Brazil.

**Key words:** Cassidini, Neotropical, *Ipomoea cairica*

### Resumo

Os imaturos de *Charidotella (Charidotella) flaviae* Maia & Buzzi, 2005, criados sobre folhas de *Ipomoea cairica* (Linnaeus) Sweet (Solanales: Convolvulaceae), são descritos e ilustrados. Todos os imaturos são procedentes de Curitiba, Paraná, Brazil.

**Palavras-chave:** Cassidini, Neotropical, *Ipomoea cairica*

### Introduction

According to Borowiec (1999), the subgenus *Charidotella* includes 68 species, this being the first description of larvae. Adults of *Charidotella (Charidotella) flaviae* Maia & Buzzi 2005, were first collected feeding on leaves of the invasive plant species *Ipomoea cairica* (Linnaeus) Sweet (Solanales: Convolvulaceae) (Maia & Buzzi 2005). Knowledge about the juvenile stages would be useful for identification and for taxonomic studies.

### Material and methods

Thirty eggs were measured on the same day, originated from 10 adult couples, to obtain the following parameters: mean length and width, amplitude and standard deviation. Ten larval head capsules (one-day old) were measured with a micrometric reticule coupled to a stereomicroscope, to determine the growth rate as a function of larval instar. All of the measurements are given in millimeters.