



First record of *Cyrtogenius* Strohmeier in Europe, with a key to the European genera of the tribe *Dryocoetini* (Coleoptera: Curculionidae, Scolytinae)

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Abstract

The genus *Cyrtogenius* Strohmeier, represented by the species *C. luteus* (Blandford, 1894), is reported for the first time in Europe. Many adults were collected for four consecutive years (2009–2012) in various localities of northern Italy in both multifunnel and cross-vane traps baited with multilure blends. A diagnosis of the species and a revised key to the European genera of tribe *Dryocoetini* Lindemann is also reported. An explanation is suggested for the increasing number of recent introductions of exotic scolytids into Europe.

Key words: exotic bark beetles, invasive species, Asian species, climatic change

Introduction

In the summer of 2009, specimens of *Cyrtogenius* Strohmeier were found in both multifunnel and cross-vane traps baited with various multilure blends (Tab. 1) set up in the international harbours of Venice (Marghera, 45° 27' N, 12° 15' E) and Chioggia (45° 22' N, 12° 28' E) (NE Italy). In summer 2010 and 2012, many other specimens were caught in the same harbours (Tab. 1). Lately, in summer 2011, the same species was found also in traps set up in semi-urban areas in Martellago (45° 55' N, 12° 16' E) and San Biagio di Callalta (45° 69' N, 12° 37' E) (Tab. 1), respectively at about 15 km and 40 km from the closest harbour (Marghera). Subsequent morphological and genetic analyses ascribed the collected specimens to the species *Cyrtogenius luteus* (Blandford, 1894), a bark beetle of subtropical origin. The specimens were collected only in traps and no dying or recently dead trees were found to be infested by the species.

TABLE 1. Number of *C. luteus* adults trapped in Northern Italy in 2009–2012. Different letters indicate different type of lures used to bait the traps (see notes).

Localities	2009		2010		2011		2012	
	blend	captures	blend	captures	blend	captures	blend	captures
Chioggia	A	1	B	10	C and D	0	-	-
Marghera	A	1	B and C	13	C and D	0	B	97
San Biagio di Callalta	-	-	-	-	C	9	-	-
Martellago	-	-	-	-	C and D	14	-	-
Total	-	2	-	23	-	23	-	97

Type of lures:

- A) Multilure blend composed by ethanol, α -pinene, ipsenol and ipsdienol
- B) Multilure blend composed by ethanol, α -pinene, ipsenol, ispdienol and methyl-butenol
- C) Pheromone for *Monochamus galloprovincialis* (SEDQ[®]) added with ethanol, ipsenol and methyl-butenol
- D) Multilure blend composed by ethanol, α -pinene, ipsenol and methyl-butenol