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Chilo pulverosellus Ragonot, 1895, new to the Spanish fauna (Lepidoptera: Crambidae)

J. Asselbergs

Abstract

Chilo pulverosellus Ragonot, 1895 from Europe hitherto only known from Bulgaria, the French mainland and Ukraine is pictured and mentioned as new to the Spanish fauna.

KEY WORDS: Lepidoptera, Crambidae, *Chilo pulverosellus*, Spain.

Chilo pulverosellus Ragonot, 1895, nueva para la fauna española
(Lepidoptera: Crambidae)

Resumen

Se mencionan *Chilo pulverosellus* Ragonot, 1895 de Europa hasta ahora sólo conocida de Bulgaria, de Francia continental y de Ucrania y se menciona como nueva para la fauna española.

PALABRAS CLAVE: Lepidoptera, Crambidae, *Chilo pulverosellus*, España.

Chilo pulverosellus Ragonot, 1895
Bull. Soc. ent. Fr., **1895**: XCVIII
Type locality: "Syria"

1 ♂ was captured in Spain, Alicante, Playa el Pinet, 19-IX-2003 (J. Wolschrijn leg.), slide 5379 (J. Asselbergs).

Differential diagnosis

Outwardly, *Chilo* species can be much resembling, however, in most cases the genitalia allow differentiation of the species; the male genitalia of *C. pulverosellus* Ragonot and *C. luteellus* (Motschulsky, 1866) which are the most likely to be confused are compared in the following table:

C. pulverosellus Rag. (male genitalia, fig. 3)

Branches of juxta slightly longer than costa of valve and unilaterally sclerotized; costa of valve slightly concave, cucullus rounded; aedeagus 7/5 x longer than costa of valve and distally with or without a row of about 5 small cornuti.

C. luteellus (Motsch.) (male genitalia, fig. 4)

Branches of juxta 9/5 longer than costa of valve and distally dentate; costa of valve concave; ventral margin and costa converging towards a rather bluntly pointed cucullus; aedeagus nearly 3 x longer than costa of valve and distally strongly sclerotized in fold.

J. ASSELBERGS

Outwardly, *C. pulverosellus* Rag. (fig. 1) can more easily be differentiated from *C. luteellus* (Motsch.) (fig. 2) by the following characters:

C. pulverosellus Rag. has labial palps of 2.5 x eye-diameter (male and female); the vertex is conical without a pinnacle and the forewings have a blackish discal and median spot; *C. luteellus* (Motsch.) has labial palps of 4 x eye-diameter in the male and 5 x in the female; the vertex is conical with a pinnacle and the forewings are without blackish spots.

Remark

In opposition to BŁESZYŃSKI (1965), a row of small cornuti was found distally in the aedeagus of the Spanish specimen.

Biology

The larva can be moderately injurious to *Zea mays* (BODENHEIMER, 1930; KUZNETZOV, 1960). The adults can be found from May till September.

Distribution

Known from Syria; Russia: Buchara, Gorlovka, Caucasus and from Transcaucasia, Daghestan, Turkey, Palestine and Transcaspia. In Europe from Bulgaria, the south of France; Spain, Italy, Bulgaria and Ukraine.

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The author is much indebted to Mr J. Wolschrijn, Twello, The Netherlands who collected *Chilo pulverosellus* Rag., in Spain.

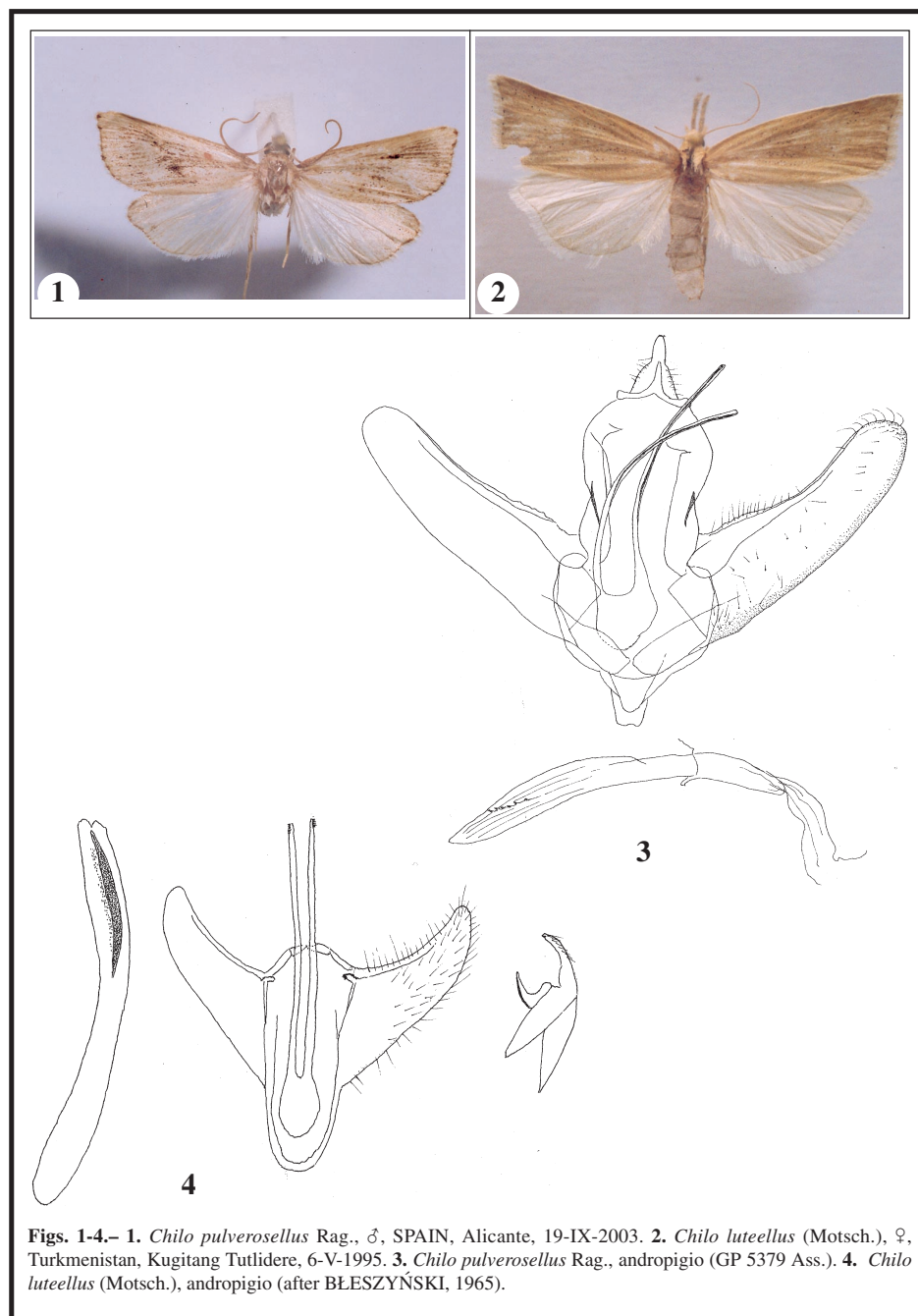
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CHILO PULVEROSELLUS RAGONOT, 1895, NEW TO THE SPANISH FAUNA



Figs. 1-4.– 1. *Chilo pulverosellus* Rag., ♂, SPAIN, Alicante, 19-IX-2003. 2. *Chilo luteellus* (Motsch.), ♀, Turkmenistan, Kugitang Tutlidere, 6-V-1995. 3. *Chilo pulverosellus* Rag., andropigio (GP 5379 Ass.). 4. *Chilo luteellus* (Motsch.), andropigio (after BŁESZYŃSKI, 1965).