

Nota

Definitive incorporation of *Callidiellum rufipenne* (Motschulsky, 1860) to the argentinian fauna of Cerambycidae (Coleoptera)

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Callidiellum rufipenne (Motschulsky, 1860) [Cerambycinae: Callidiini] is mentioned as established in Argentina. The first known host plant in Argentina and South America is given.

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Key words: Coleoptera, Cerambycidae, *Callidiellum rufipenne*, Argentina

INTRODUCTION

DI IORIO (2004) records two species of Cerambycidae from the Northern Hemisphere as recently introduced in Argentina, *Arhopalus rusticus rusticus* (L., 1758) [Aseminae: Asemini], and *Callidiellum rufipenne* (Motschulsky, 1860) [Cerambycinae: Callidiini], whose larvae develop in woods of Coniferae, both in Nearctic and Palearctic regions. All the host plants known for *C. rufipenne* in North Hemisphere (Palearctic) belongs to Cupressaceae and Taxodiaceae. It has been recorded from the following hosts in its native geographic range: *Cryptomeria japonica* (L. f.) D. Don, *Chamaecyparis obtusa* (Siebold & Zucc.) Endl. in Japan (LINSLEY GRESSITT, 1951), *Chamaecyparis pisifera* (Siebold & Zucc.) Endl., and *Thujopsis dolabrata* (Thunb. ex L. f.) Siebold & Zucc. (APHIS, 1999). *Abies* spp. (LINSLEY GRESSITT, 1951) and *Pinus* spp. (APHIS, 1999) have also been mentioned, but these hosts require confirmation. In North America, where it was

introduced, the larvae develop in *Chamaecyparis nootkatensis* (D. Don) Sudw., *Juniperus virginiana* L. and *Thuja occidentalis* L., but also on *Juniperus communis* in Italy (EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION, 2003), and *Cupressus macrocarpa* Hartw. in Spain (PASEK, 2000).

Until 2005 the species was recorded in Argentina with an uncertain status because it was not possible to know if it was established or not (DI IORIO, 2005). The finding of new materials allows to record *C. rufipenne* as definitive incorporated to the argentinian fauna of Cerambycidae, and the first host plant in the country.

Infested dead branches of *Cupressus* were maintained in rearing cages at ambient temperature. The specimens were deposited in the private collection Osvaldo Di Iorio (ODI), who identified the species. All plant names and abbreviations of authors are according to WIERSEMA & LEÓN (1999). The host plant was identified with the key of PARODI (1959).

Specimens of *C. rufipenne* were obtained as follows:

Cupressus macrocarpa: Buenos Aires: Pdo. Berazategui, Parque Pereyra Iraola, 13-VIII-2005, 1 male (ODI), inside the pupal chamber, 2 males (ODI), emerged 19-VIII-05 [T = 23.1 °C, 16 hs onward], 4 males, 3 females (ODI), emerged 21-VIII-05 [T max = 21.2° C, 14:10 hs], 1 male (ODI) emerged 22-VIII-05 [T = 21.6 °C, 15:50 hs].

This is the first known host plant in Argentina and South America. DI IORIO (2004) mentioned a single specimen of *C. rufipenne* found in Argentina (Buenos Aires: Pilar) in July 2003. By old pupal chambers observed in the branches of *Cupressus macrocarpa*, and the location of the trees in

a suburban area, it is possible to say that *C. rufipenne* is well established in the country, possibly before 2003. It rears in dead fallen branches, not affecting living trees, a difference between United States where the larvae develops in living branches (PASEK, 2000). Adults emerge in July (DI IORIO, 2004) and at middle August during the day (material reared).

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RESUMEN

TURIENZO P. 2006. Incorporación definitiva de *Callidiellum rufipenne* (Motschulsky, 1860) a la fauna argentina de Cerambycidae (Coleoptera). *Bol. San. Veg. Plagas*, 32: 155-156.

Se menciona a *Callidiellum rufipenne* (Motschulsky, 1860) [Cerambycinae: Callidiini], como establecida en la Argentina. Se da a conocer su planta hospedadora en dicho país, constituyendo un nuevo registro para Argentina y Sudamérica.

Palabras clave: Coleoptera, Cerambycidae, *Callidiellum rufipenne*. Argentina.

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