Redescription of *Crassomicrodus fulvescens* (Cresson) (Hymenoptera: Braconidae: Agathidinae), with new distributional data and revised taxonomic status

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Abstract

A detailed description of the adult of *Crassomicrodus fulvescens* (Cresson) is provided along with illustrations. New distributional data in the USA and Mexico are presented, and the first records from Canada are reported. *Microdus medius* Cresson is found to be a junior subjective synonym of *M. fulvescens*. *Autographa californica* (Speyer) is reported as a possible host for *C. fulvescens* based exclusively on label data.

Key words: Nearctic, new synonym, New World, parasitoid, taxonomy

Introduction

*Crassomicrodus fulvescens* (Cresson) is a member of the subfamily Agathidinae and was described by Cresson (1865) as *Microdus fulvescens*. Ashmead (1900) used it as the type species of *Crassomicrodus*. Muesebeck (1927) distinguished it from other members of the genus by its uniformly honey-yellow color, gena distinctly bulging, and relatively short inner hind tibial spur, which is half as long as the basitarsus. The original description of *C. fulvescens* was based on one female specimen collected in Colorado (Cresson 1865). Since then the only new distributional data from USA were reported by Muesebeck (1927), Muesebeck et al. (1951), and Marsh (1979), who reported it from Arizona, California, Colorado, Idaho, Kansas, New Mexico, New York, Oregon, Texas, and Washington. The only previous record of *C. fulvescens* from Mexico was given by Marsh (1979), but he did not provide more detailed distributional information.

Cresson (1865) described *M. medius* based on one male specimen. Muesebeck (1927) revised *Crassomicrodus* and transferred four species from *Microdus*, including *M. medius*. He continued to treat *C. fulvescens* and *C. medius* as distinct species but mentioned that all specimens of *C. medius* were males and that *C. fulvescens* and *C. medius* are similar.

The objectives of this paper are to synonymize *C. fulvescens* and *C. medius*, add new distributional information, and report a possible new host record for *C. fulvescens*.