

## The New World species of *Cerodontha* (*Xenophytomyza*) Frey (Diptera: Agromyzidae)

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### Abstract

The New World species of the subgenus *Cerodontha* (*Xenophytomyza*) Frey are reviewed. There are two species in the region: *C. (X.) biseta* (Hendel) (western Palearctic, eastern Nearctic, Jamaica); and *C. (X.) illinoensis* (Malloch) (eastern Nearctic). Both species are illustrated and a key is provided to distinguish the species. *Cerodontha* (*Xenophytomyza*) *biseta* was apparently introduced recently to the eastern Nearctic and several new locality records in eastern Canada and north-eastern United States are noted here; the record of *C. (X.) biseta* from Jamaica represents the first record of the subgenus from the Neotropical region.

**Key words:** Diptera, Agromyzidae, *Cerodontha*, *Xenophytomyza*, Taxonomy, Nearctic, Neotropical, Jamaica

### Introduction

The cosmopolitan genus *Cerodontha* Rondani contains approximately 260 species divided into seven subgenera. The subgenus *Xenophytomyza* Frey is one of the smallest in the genus and contains nine species: *C. (X.) atronitens* (Hendel) (eastern Europe); *C. (X.) biseta* (Hendel) (western Palearctic, eastern Nearctic, Jamaica); *C. (X.) bisetosa* Zlobin (Russian Far East); *C. (X.) illinoensis* (Malloch) (Eastern Nearctic); *C. (X.) lacerata* Zlobin (Russian Far East); *C. (X.) obliqua* Zlobin (Russian Far East); *C. (X.) unica* Zlobin (Russian Far East); *C. (X.) venturii* Nowakowski (Europe); *C. (X.) vinokurovi* Zlobin (Eastern Siberia).

Only two species of *Xenophytomyza* are known to occur in the Nearctic region, and none had previously been recorded from the Neotropical region. The purpose of this paper is to provide a key and illustrations to differentiate the two New World species of *Xenophytomyza*, and to report the presence of this subgenus for the first time in the Neotropical