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昆明旌蚧 *Orthezia quadra* (Homoptera:Ortheziidae) ——紫茎泽兰和飞机草的一种本地天敌

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Orthezia quadra* (Homoptera: Ortheziidae): A Native Natural Enemy of *Ageratina adenophora* and *Chromolaena odorata

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摘要

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摘要 紫茎泽兰(*Ageratina adenophora*)和飞机草(*Chromolaena odorata*)是我国西南危害严重的两种外来入侵物种。笔者在云南省盈江县发现了一种昆虫——昆明旌蚧(*Orthezia quadra*), 可以感染这两种外来入侵植物, 并使其生活力下降直至死亡。该虫主要聚集于茎结处危害, 吸食植株的汁液。这种昆虫的发现, 表明在紫茎泽兰和飞机草的生境拓展过程中, 本地昆虫已经与之建立起相应的生态关系。

关键词: 紫茎泽兰 飞机草 昆明旌蚧 生物入侵 生物防治

Abstract: *Ageratina adenophora* and *Chromolaena odorata* are two most harmful alien invasive plants in the southwest of China, which are severely imperiling the ecosystems of cropland, grassland and woodland in these regions. During our investigation in Tongbiguan Nature Reserve, Yingjiang, Yunnan, one insect named *Orthezia quadra* was found, which can feed on *A. adenophora* and *C. odorata*, and withered the plants finally. This kind of insect gathers on the node of stem in general, and sucks plant juices. The finding shows that the native insect has established ecological relationship with the invasive plants. And this is of great significance for the research on the control of the two invasive plants

Keywords: *Ageratina adenophora* *Chromolaena odorata*; *Orthezia quadra*; biological invasion biological control

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