

## Agromyzidae (Insecta: Diptera) of Laos

Mitsuhiro Sasakawa

7-6-7 Korigaoka, Hirakata, Osaka, 573-0084 Japan  
E-mail: sasakawa@star.odn.ne.jp

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Seven species of agromyzid leafminers are recorded as the first representatives of this family from Laos. They include one new species, *Japanagromyza laosica*, and six previously described species, one belonging to the genus *Melanagromyza*, four to *Japanagromyza*, and one to *Agromyza*. Of these, *Agromyza phragmitidis* Hendel, 1922 is also newly reported from Sabah in Malaysia.

**Key Words:** Insecta, Diptera, Agromyzidae, Laos, Sabah, new species, new records, Bernice P. Bishop Museum.

### Introduction

The Laotian agromyzid leafminers have hitherto been unknown. I had an opportunity to examine a few specimens collected in Laos by staff of the Bernice P. Bishop Museum in Honolulu. Seven species of the subfamily Agromyzinae were represented. One of these is described below as new. Five others in three genera, *Melanagromyza* Hendel, 1920, *Japanagromyza* Sasakawa, 1958, and *Agromyza* Fallén, 1810, were previously known from the Palaearctic, Oriental, and Australian regions; and one, *Japanagromyza angulosa* Sasakawa, 2005, has previously only been recorded from Japan. Our knowledge of the genus *Japanagromyza* in the Oriental region is thus further extended. Larval mining habits of two Palaearctic and Oriental species, *Japanagromyza tristella* (Thomson, 1869) and *Agromyza phragmitidis* Hendel, 1922, are well-known, but those of the other species are still remain in the dark.

With only the present seven species out of a total of some 300 species confirmed in the Oriental Region, especially, 44 species known in Thailand (Sasakawa 1981; Spencer 1986) and 24 in Vietnam (Sasakawa 2005b), it is clear that many further species await discovery in Laos. I hope that this paper will encourage further collecting of agromyzid species in Laos.

### Material and Methods

The specimens borrowed from the Bernice P. Bishop Museum (BPBM) in Honolulu, Hawaii, USA, comprised 15 dried individuals, i.e., 14 from Laos and one from Sabah, Malaysia. Both the holotype and paratype of the new species are deposited in the Diptera Collection of the BPBM. After examination and drawing of the male genitalia, the dissected postabdomen with the genitalia was stored in a short polyethylene tube with glycerol, and held on the same pin as the specimen.