



Occurrences of three pest weevils (Coleoptera, Curculionidae, Dryophthorinae) of banana on Hateruma-jima Island, the Yaeyama Islands, the Ryukyus, southwestern Japan

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Abstract Three dryophthorine weevils pests of banana, *Odoiporus longicollis* (Olivier, 1807), *Cosmopolites sordidus* (Germar, 1824) and *Polytus mellerborgii* (Boheman, 1838), were recorded for the first time from Hateruma-jima Is., the southernmost inhabited island of Japan belonging to the Yaeyama Islands, the Ryukyus.

Currently three dryophthorine weevils, *Odoiporus longicollis* (Olivier, 1807), *Cosmopolites sordidus* (Germar, 1824) and *Polytus mellerborgii* (Boheman, 1838), have been found to attack banana trees in southwestern Japan. They are widely distributed and established throughout the Nansei Islands, from the Yaeyama Islands in the south to the Satsunan Islands in the north, (the Ryukyus) (Sasaki *et al.*, 2002; Kojima, 2023). All three are introduced species, mainly accompanying banana seedlings from Taiwan (Kohama & Takehara, 2002). Hateruma-jima Island, the southernmost inhabited island of Japan, belongs to the Yaeyama Islands, and no pest weevils of banana were previously known from the island.

During a recent short survey, the author found the following three weevils on an injured banana tree (Fig. 1) at the same time from one location. This finding confirmed their occurrences on the island for the first time. Additional surveys on Yonaguni-jima Island and the small islets of the Yaeyama Islands are required in the future.

All of the specimens examined were collected near Buribuchi Park on May 14th, 2023 by the author, and will be deposited in the Laboratory of Entomology, Tokyo University of Agriculture, Atsugi, Japan.

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1. *Odoiporus longicollis* (Olivier, 1807)

4 exs. (three specimens are a reddish brown form and one is black).

2. *Cosmopolites sordidus* (Germar, 1824)

1 ex.



Fig. 1. Standing but injured banana tree by the three dryophthorine weevils (nearby the Buribuchi Park, Hateruma-jima Is.).

3. *Polytus mellerborgii* (Boheman, 1838)

1 ex.

要 約

小島弘昭：八重山諸島波照間島からのバナナの害虫オサゾウムシ 3 種（甲虫目ゾウムシ科オサゾウムシ亜科）の分布。——— 波照間島から未記録であったバナナの害虫オサゾウムシ（バナナツヤオサゾウムシ、バシヨウオサゾウムシ、バシヨウコクゾウムシ）を新たに記録した。

References

- Kohama, T. & K. Takehara, 2002. Exotic insects in Okinawa. *Bulletin of the Okinawa Prefectural Museum, Naha*, (28): 55-92. (In Japanese, with English title.)
- Kojima, H., 2023. [Records of dryophthorid weevils, that are important pests of banana from Ishigaki-jima Is. and Iriomote-jima Is.]. *Sayabane, Tokyo*, (n. ser.), (50): 46-47. (In Japanese.)
- Sasaki, T., M. Kimura & F. Kawamura, 2002. Coleoptera. Pp. 157-284. In Azuma, S., M. Yafuso, M. Kinjô, M. Hayashi, T. Kohama, T. Sasaki, M. Kimura & F. Kawamura (eds.), Check List of the Insect of the Ryukyu Islands. Flora and Fauna in Okinawa, (1) (Second edition). xxiv+570 pp. The Biological Society of Okinawa, Nishihara. (In Japanese, with English title.)