

## Occurrence of *Xenysmoderes consularis* (PASCOE) (Coleoptera, Curculionidae, Ceutorhynchinae) on Iejima Is., the Okinawa Isls., Central Ryukyus, Japan

Hiraku YOSHITAKE

Tropical Crop Protection Group, Division of Agro-Environment Research, Kyushu Okinawa Agricultural Research Center, NARO, 820 Makabe, Itoman, Okinawa, 901–0336 Japan

*Xenysmoderes consularis* (PASCOE, 1870) is a Taiwanese mecysmoderine weevil occurring in Taiwan proper and Ludao Is. (YOSHITAKE, 2005). This weevil was introduced in the late 1990s to Okinawajima Is. in the Okinawa Isls., central Ryukyus, Japan and became spread to Ishigakijima Is., Iriomotejima Is., and Taketomijima Is. in the Yaeyama Isls., southern Ryukyus (KOBAYASHI *et al.*, 2011; KOBAYASHI & IZAWA, 2018). In July, 2018, I found this weevil on Iejima Is. in the Okinawa Isls. Here I record it for the first time from the island. I thank Y. TAMADERA and N. TSUJI for assistance in the field survey and in the literature review, respectively.

### *Xenysmoderes consularis* (PASCOE, 1870)

*Mecysmoderes consularis* PASCOE, 1870, 482 (type locality: “Formosa”); DALLA TORRE & HUSTACHE, 1930, 113 (cataloged; “Formose”); MIWA, 1931, 253 (cataloged; Taiwan); COLONNELLI, 1992, 419 (cataloged; Taiwan).

*Xenysmoderes consularis*: COLONNELLI, 2004, 73 (cataloged; “Taiwan: TW”); YOSHITAKE, 2005, 8 (new combination with *Xenysmoderes*; distribution: Taiwan proper, Ludao Is. & Okinawajima Is.); MIYAKE & NOBAYASHI, 2008, 43 (record from Urasoe City); YOSHITAKE *et al.*, 2010, 1 (distribution in Okinawajima Is.); KOBAYASHI *et al.*, 2011, (distribution in Okinawajima Is.; new record from Ishigakijima Is.); COLONNELLI, 2013, 208 (cataloged; “A: JA (Ryukyus) TAI”); ALONSO-ZARAZAGA *et al.*, 2017, 159 (cataloged; “A: JA (Ryūkyū) TAI”); KOBAYASHI & IZAWA, 2018, 15 (new records from Iriomotejima Is. & Taketomijima Is.).

*Specimens examined.* Japan: the Ryukyus. Iejima Is.: 3 exs., Agarie-ue, 11.VI.2018, H. YOSHITAKE, on *Alpinia zerumbet*; 30 exs., Shōdaiji, 10.VI.2018, H. YOSHITAKE, on *Alpinia zerumbet*.

*Distribution.* Taiwan (Taiwan proper and Ludao Is.); introduced to Japan: the Ryukyus (Okinawajima Is., Ishigakijima Is., Iriomotejima Is., and Taketomijima Is.; Iejima Is. – new record).

*Host plants.* *Alpinia* spp. (Zingiberaceae).

*Biology.* See YOSHITAKE (2005: 15).

### References

- ALONSO-ZARAZAGA, M. A., H. BARRIOS, R. BOROVEC, P. BOUCHARD, R. CALDARA, E. COLONNELLI, L. GÜLTEKIN, P. HLAVÁČ, B. KOROTYAEV, C. H. C. LYAL, A. MACHADO, M. MEREGALLI, H. PIEROTTI, L. REN, M. SÁNCHEZ-RUIZ, A. SFORZI, H. SILFVERBERG, J. SKUHROVEC, M. TRÝZNA, A. J. VELÁZQUEZ DE CASTRO & N. N. YUNAKOV, 2017. Cooperative Catalogue of Palaearctic Coleoptera Curculionoidea [online]. *Monografías Electrónicas S. E. A.*, 8. 729 pp. Sociedad Entomológica Aragonesa, Zaragoza. Available from: [http://sea-entomologia.org/PDF/MeSEA\\_8\\_Catalogue\\_Palaeartic\\_Curculionoidea.pdf](http://sea-entomologia.org/PDF/MeSEA_8_Catalogue_Palaeartic_Curculionoidea.pdf) [accessed on 31 August 2018].
- COLONNELLI, E., 1992. Notes on the Ceutorhynchinae tribe Mecysmoderini WAGNER, 1938 (Coleoptera, Curculionidae). *Entomologica Basiliensia*, 15: 395–422.
- COLONNELLI, E., 2004. Catalogue of Ceutorhynchinae of the World, with a Key to Genera (Insecta: Coleoptera: Curculionidae). 124 pp. Argania editio, Barcelona.
- COLONNELLI, E., 2013. Ceutorhynchinae. Pp. 176–214. In LÖBL, I., & A. Smetana (eds.), *Catalogue of Palaearctic Coleoptera*, 8. 700 pp. Brill, Leiden / Boston.
- DALLA TORRE, K. W., & A. HUSTACHE, 1930. Curculionidae: Ceuthorrhynchinae. In SCHENKLING, S. (ed.), *Coleopterorum Cata-*

- logus*, (113). Pp. 1–150. W. Junk, Berlin.
- KOBAYASHI, S., & M. IZAWA, 2018. Records and distribution of an exotic weevil *Xenysmoderes consularis* (Coleoptera: Curculionidae) on Iriomote-jima and Taketomi-jima Islands. *Fauna Ryukyuana, Nishihara*, **45**: 15–17.
- KOBAYASHI, S., T. DENDA & M. IZAWA, 2011. The distribution of *Xenysmoderes consularis* (Coleoptera: Curculionidae: Ceutorhynchinae), a Mecysmoderini weevil associated with the shell ginger, *Alpinia zerumbet*, in the Ryukyu Archipelago. *Biological Magazine Okinawa, Nishihara*, **49**: 77–83. (In Japanese, with English title and abstract.)
- MIWA, Y., 1931. A Systematic Catalogue of Formosan Coleoptera. *Department of Agriculture, Government Research Institute, Report*, (55). i–xi + A–B + 359 pp. Taihoku, Formosa.
- MIYAKE, T., & S. NOBAYASHI, 2008. [An additional record of a rare ceutorhynchine weevil.] *Gekkan-Mushi*, Tokyo, (446): 43. (In Japanese.)
- PASCOE, F. P., 1870. Contributions towards a knowledge of the Curculionidae. Part I. *Journal of the Linnean Society of London, Zoology*, **10**: 434–493, pls. 17–19.
- YOSHITAKE, H., 2005. Taxonomic position of a Taiwanese ceutorhynchine, *Mecysmoderes consularis* PASCOE (Coleoptera: Curculionidae), with description of an allied new species from Lanhsu Island. *Coleopterists Bulletin*, **59**: 7–22.
- YOSHITAKE, H., N. UECHI & Y. HIRANO, 2010. A distributional note on a Taiwanese ceutorhynchine, *Xenysmoderes consularis* (PASCOE) (Coleoptera: Curculionidae), established on Okinawajima Island, Ryukyus, Japan. *Coleopterists' News, Tokyo*, (171): 1–3. (In Japanese, with English title.)

Manuscript received 28 September 2018;  
revised and accepted 3 October 2018.