



A new plant host record for adult of *Euphylllobiomorphus kurosawai* Morimoto (Coleoptera, Curculionidae, Entiminae), endemic to Yakushima Island, Kyushu, Japan

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Euphylllobiomorphus Morimoto, 1962 is a unique adelognathous weevil belonging to the entimine tribe Phyllobini with an exceptionally long, cylindrical rostrum (Morimoto & Kojima, 1994; Morimoto *et al.*, 2006). The genus is currently monotypic (type species: *E. kurosawai* Morimoto, 1962) and endemic to Yakushima Island (30°28'N, 130°30'E), Kyushu, which is a World Natural Heritage site in southwestern Japan. *Euphylllobiomorphus kurosawai* is the southernmost representative of the weevil tribe Phyllobini in Japan. Consequently, Yakushima represents the southernmost end of the distributional range of Phyllobini in Japan. This weevil feeds on Japanese cedar, *Cryptomeria japonica* D. Don. (Sugi in Japanese), a conifer in the subfamily Taxodioideae of the family Cupressaceae.

The first author recently found this weevil on another conifer, Sargent's juniper, *Juniperus chinensis* L. var. *sargentii* A. Henry (Miyamabyakushin in Japanese) in the family Cupressaceae near Nageishidaira (ca. 1,700 m in altitude) on the way to Mt. Miyanouradake on June 10, 2019 (Fig. 1). The plant is here recorded as a new adult host. The record is based on photographic evidence (Figs. 2-3) and least ten individuals were observed around the locality after beating shrubs of *J. c.* var. *sargentii*.

The natural distribution of *C. japonica* ranges from 600 to 1,800 m in elevation on Yakushima Is., whereas *J. c.* var. *sargentii* extends above 1,800 m (Yakushima Environmental and Cultural Foundation, 2005). Thus, the weevil appears to occur at a higher elevation than was previously thought.

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要 約

小島弘昭・養老孟司：屋久島固有のアオクチナガヒゲボソゾウムシ（甲虫目ゾウムシ科）成虫の新加害植物。——— これまでアオクチナガヒゲボソゾウムシの成虫加害植物としてスギ（ヒノキ科）が知られていたが、今回、新たにヒノキ科のミヤマビャクシンを利用していることが分かったので報告した。スギは屋久島において、標高600～1,800m付近に自然分布するのに対し、ミヤマビャクシンは1,800m以上の高地にも生えていることから、本種が屋久島のより高地にまで生息している可能性が示唆された。

References

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Figs. 1-3. Habitat and adults of *Euphyllobiomorphus kurosawai* found on shrubs of *Juniperus chinensis* var. *sargentii* near Nageishidaira (ca. 1,700 m). 1, Habitat; 2, adult, female; 3, ditto, male.