

琉球大学学術リポジトリ

屋久島からのリンゴハマキホソガ (チョウ目ホソガ科) の記録

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A record of *Caloptilia zachrysa* (Meyrick) (Lepidoptera, Gracillariidae) from Yakushima Island, Kagoshima Prefecture

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Abstract. *Caloptilia zachrysa* (Meyrick) is newly recorded from Yakushima Island. A female adult of the species and female genitalia are shown.

Record

Caloptilia zachrysa (Meyrick, 1937)
(Figs 1, 2)

Specimen examined. 1 ♀ (Forewing length: 11.0mm), Koshima, Yakushima-cho (Yakushima Is.), Kagoshima Prefecture, 23. IV. 1980, I. Kanazawa leg. The specimen is deposited in Osaka Museum of Natural History.

Remarks. *Caloptilia zachrysa* (Meyrick) (Lepidoptera, Gracillariidae) is distributed in Japan (Honshu, Shikoku, Kyushu, Okinawa-jima Island), Taiwan, Korea, China, India and Sri Lanka (Tominaga 2010; Kumata 2013). This species is known as a pest of apples (Oku, 2003) and also uses other species of the family Rosaceae as host plants (Kumata 2013).

The wings of the Yakushima specimen have the following characteristics: length of the forewing



Fig. 1. A female adult of *Caloptilia zachrysa* (Meyrick, 1937) from Yakushima Island (Scale bar: 5.0 mm).

図1. 屋久島産リンゴハマキホソガ (♀) (スケールバー: 5.0 mm).



Fig. 2. The signum of the female genitalia of *Caloptilia zachrysa* (Meyrick, 1937) (Scale bar: 0.5 mm).

図2. リンゴハマキホソガの雌交尾器のシグナム (スケールバー: 0.5 mm).

is about 13 mm; in the forewing, ground color is brownish purple, yellow spot broaden from basal 1/4 to apex; in the hind wing, ground color is grayish white. The female genitalia have the following characteristics: 2 pairs of the signum are sickle-shaped and curve.

The wing markings (Fig. 1) and female genitalia (Fig. 2) of the Yakushima specimen agree with those of this species shown by Kumata (1982, 2013). In this study, this species is firstly recorded from Yakushima Island.

References

Kumata, T. 1982. A taxonomic revision of the Gracillaria group occurring in Japan (Lepidoptera:

Gracillariidae). Insecta Matsumurana. New Series, 26: 1–186.

Kumata, T., 2013. Subfamily Gracillariinae. In: Y. Nasu, T. Hirowatari & Y. Kishida (eds), The standard of moths in Japan 4. Pp. 91–125. Gakken Education Publishing, Tokyo. (In Japanese)

Oku, T., 2003. *Caloptilia zachrysa*. In: K. Umeya & T. Okada (eds) Agricultural insect pests in Japan. Pp. 456–457. Zenkoku Noson Kyoiku Kyokai, Tokyo (In Japanese)

Tominaga, S., 2010. *Caloptilia zachrysa* (Meyrick) (Gracillariidae) feeding on *Rhaphiolepis indica* var. *umbellata* (Rosaceae). Yugato, (202): 153. (In Japanese)

屋久島からのリンゴハマキホソガ (チョウ目ホソガ科) の記録

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要旨. リンゴの害虫として知られるリンゴハマキホソガは日本, 台湾, 韓国, 中国, インド, スリランカに分布し, 日本国内では本州, 四国, 九州, 沖縄島から知られていた. 大阪市立自然史博物館での標本調査において, 屋久島産の本種の標本が確認されたので, ここに記録する. 屋久島では初記録である.

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