

莲雾害虫圣桉小卷蛾(鳞翅目:卷蛾科)中国新记录

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摘要:广东汕头新发现一种为害莲雾的鳞翅目昆虫。经鉴定,该虫系我国一新记录种——圣桉小卷蛾 *Strepsicrates semicanella* (Walker, 1866)。介绍了圣桉小卷蛾的形态特征、分布、寄主等情况,并提供了成虫及雄性外生殖器图。

关键词:卷蛾科; 圣桉小卷蛾; 莲雾; 中国

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First Record of the Pest *Strepsicrates semicanella* (Lepidoptera: Tortricidae) of Wax-Apple from China

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Abstract: The Pest, *Strepsicrates semicanella* (Walker, 1866), feeding on wax-apple, was recorded for the first time in Shantou, Guangdong Province. The morphological characters, distribution, host of *S. semicanella* were described and the photo of adult and male genitalia were illustrated.

Key words: Tortricidae; *Strepsicrates semicanella*; *Syzygium samarangense*; China

莲雾 *Syzygium samarangense* (Blume) Merr & Perr, 又名洋蒲桃、爪哇蒲桃和金山蒲桃等,系桃金娘科 Myrtaceae 蒲桃属植物。原产马来西亚、印度尼西亚和印度,17 世纪我国台湾最早引种,是著名的热带水果^[1]。目前,广东、海南、福建、广西、云南和四川等省区均有栽培。随着莲雾品种的不断引进和种植,虫害问题也日渐突出。近 1 年对广东种植的莲雾害虫的调查发现,卷蛾是为害新梢的主要害虫。桉小卷蛾属 *Strepsicrates* Meyrick, 1888 是其中的一类,该属昆虫隶属于鳞翅目 Lepidoptera 卷蛾科 Tortricidae 新小卷蛾亚科 Olethreutinae,全世界已知 30 种^[2],中国记载 2 种^[3,4],本文增补 1 种,即为害莲雾嫩梢的新害虫——圣桉小卷蛾 *Strepsicrates semicanella* Walker, 1866^[5]。

圣桉小卷蛾 *Strepsicrates semicanella* Walker, 1866, 中国新记录种(图 1)。

Monilia semicanella Walker, 1866: 1741. (Type locality: Queensland, Moreton Bay, Australia).



图 1 圣桉小卷蛾成虫

Fig. 1 Adult of *Strepsicrates semicanella* Walker

Spilonota euploca Turner, 1946: 190. (Type locality: Queensland, Brisbane, Australia)^[6].

Strepsiceros lasiophora Lower, 1908: 323. (Queensland, Townsville, Australia)^[7].

雄虫:翅展 13 ~ 15 mm;触角灰褐色,丝状,基部 1/5 处凹陷;下唇须长,前伸,暗灰色;胸部暗灰色,翅

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肩灰褐色;前翅底色灰褐色或暗灰褐色,基部前缘褶宽大、不及中点,内含白色鳞片,前翅自顶角至中部具4对淡褐色楔状纹,翅的顶端有一暗褐色斜带,臀区淡灰色,基部1/3处具亮灰色三角斑纹,其顶部达翅中央,顶部附近的鳞片微微隆起,翅的端部灰褐色夹带黑褐色,内具2~3条黑褐色细线,臀角处具一暗褐色小三角斑纹;后翅灰褐色,缘毛与翅面同色。

雄性外生殖器(图2):背兜宽大;爪形突两分叉,基部远离,末端尖,牛角状;尾突短小,被长毛;抱器瓣窄而长,基半部抱器背与抱器腹近平行,近端部1/3处缢缩,抱器端膨大,背部被长毛,腹面向下弯曲形成指状突起,末端具一尖刺;阳茎基环大,管状;阳茎短,弯曲;阳茎端膜具数枚可脱落的针状角状器。雌虫:未见。



图2 圣桉小卷蛾雄性外生殖器

Fig. 2 Male genitalia of *Strepsicrate semicanella* Walker

观察标本:2雄,广东汕头上华镇,2010-X-3采集饲养,2010-X-15羽化,范晓凌、王敏、邓小华、阮赞誉采。

分布:中国(广东),日本^[8],澳大利亚^[9]。

寄主:桃金娘科 Myrtaceae:桉属 *Eucalyptus*、红胶木属 *Lophostemon*、莲雾 *Syzygium samarangense*。

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