MỘT SỐ DỮ LIỆU BƯỚC ĐẦU VỀ TÌNH HÌNH GÂY HẠI, ĐẶC ĐIỂM HÌNH THÁI CỦA SÂU ĐỤC THÂN CÂY CÓI *Bactra venosana* Zeller (Lepidoptera: Tortricidae) TẠI TỈNH TRÀ VINH

Some Preliminary Data on The Damage Status, Morphological Characteristics of the Nutsedge Borer, *Bactra venosana* Zeller (Lepidoptera: Tortricidae), in Tra Vinh Province

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Abstract

Nutsedge borer, *Bactra venosana* Zeller (Lepidoptera: Tortricidae), is an important pest of sedge in Tra Vinh Province. To control this insect, its damage status and morphological characteristics were investigated in Tra Vinh province. According to results obtained from farmer interviews, the damage of *B. venosana* in Tra Vinh was recognized from 2000 to 2016. Their infestation, which could be mainly controlled by chemicals, was severe in the dry season, then reduced in the rainy season. Field investigations indicated that the average damage ratio caused by this pest was at 1.23% with the medium density at 52.1 individuals/m^2. The eggs were in oval shapes with average sizes of 1.20 × 0.80 mm (in length and width), in shiny, semi-transparent colour, which then changed into yellowish colour. The shapes of their larvae were visible when they were about to hatch. The length of newly-hatched larvae were from 1.50 mm up to 13.0 mm. Larvae were in dark yellow, then changed to yellowish milky white or yellow brown. They were in dark brown at the pupal stage. Female and male pupae were respectively at 8.7 × 2.26 mm and 0.77 × 1.89 mm on average. Adult male pupae with body length from 7.25 to 9.0 mm, were normally in grayish brown alternated with black brown lines while that of female pupae was from 8.15 – 11.2 mm in gray silver. The infected symptoms were noticed via their changing colors, from greenish to yellowish with soft stems or via their yellowish trees which led to withering and finally dying sedges.

Keywords: *Bactra venosana,* morphological characteristics, nutsedge borer