



America's Least Wanted Wood-Borers

Department of Entomology

CHINESE LONGHORN, *TRICHOFERUS CAMPESTRIS* (FALDERMANN)

Jeffrey D. Holland, K. R. Raje, J.T. Shukle, and V. R. Ferris, Entomologists

This longhorned beetle is native to Asia. Adults of this beetle were detected in Quebec Canada in 2002 and 2006. If established, it could cause severe damage to the native forest ecosystems.

Distribution: *Trichoferus campestris* is native to Japan, Russia, the Korean peninsula, Mongolia, China up to Armenia, and the southeastern part of European Russia.

General Description: The adult beetle is about 16mm long with uniformly brown-black body. Antennae are about 90 and 70% of the body length in male and female respectively. The dorsal region has short uniform and sparse long, erect hairs. Females have narrower pronotum in relation to elytra as compared to males. The posterior margin of abdominal sternum VI (visible ventrite VI) is straight in females and widely notched at middle in males.

Mature larvae are 15 – 30 mm long, white when live and white-beige when stored in alcohol.

Biology: The larvae are found under the bark and in dry dead wood and complete their development in two or more years. Adults emerge from July to August and readily fly. About 40 genera of woody plants, both conifers and angiosperms, are known to be larval hosts.

Source: Grebennikov, V.V., B.D. Gill, and R. Vigneault. (2010). *Trichoferus campestris* (Faldermann) (Coleoptera: Cerambycidae), an Asian wood-boring beetle recorded in North America. The Coleopterists Bulletin 64:13-20.

Molecular Identification: A DNA barcode for this species has been developed and is freely accessible online at the National Center for Biotechnology Information <www.ncbi.nlm.nih.gov>, and the Barcode of Life Data Systems database <www.boldsystems.org>. If a specimen of this species is suspected, DNA analysis could



Trichoferus campestris, adult.
(Photo Credit: Kyle Schnepf)

help to confirm the identification even if the material is of a life stage that cannot be identified with morphological identification techniques.

T. campestris NCBI accession numbers: JQ015114 - JQ015115

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