





Technical Bulletin for: Velvet Longhorned Beetle

Trichopherus campestris (Faldermann) • Coleoptera, *Cerambycidae* • TRICAM



DISTRIBUTION	China, Japan, Korea, Mongolia and Russia. Introduced to Armenia, Canada, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan, as well as in small numbers in the United States.
HOSTS	Various species, including Birch, Paper mulberry, Honeylocust, Apple/crabapple, Mulberry, Spruce, Pine, Willow, Mountain-ash, Hinoki False Cypress, Japanese beech, Manchurian Walnut and Grape. Prefers all manner of living, stressed, dying and dead hosts.
DESCRIPTION	
Adult Moth	Elongated, with parallel sides of elytra, 11-20 mm long. All body, elytra and legs from dark brown to brownish orange, legs and antennae usually lighter than body.
Larvae	Generally yellowish-white, up to 25 mm] long, with slightly developed legs, prominent skinny (non-sclerotized) ambulatory warts on I – VII abdominal segments. Head brown, up to 3 mm.
Eggs	White, slightly elongated, narrowed and rounded at both ends, 1.9 mm long.
LIFE HISTORY	Eggs are laid on the bark of trunks or large branches. Host material can be healthy, stressed, dying, or cut trees. Larvae enter the bark, making galleries between the bark and sapwood, eventually moving into the wood. Larvae prefer feeding on the wood near the cambium; they have a high resistance to log dryness into which they bore. As they bore, larvae destroy most of the bark except the upper layer. Galleries can be 5 to 15 cm large. Overwintering occurs either under the bark or in pupation cells.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	Trichopherone and Tinuvin in a Coaster Lure Packet. Lure longevity: Forty-five (45) days. 
TRAP TO USE	Panel Trap. 
MONITORING STRATEGY	Hang trap in trees near where larval galleries or egg-laying may occur on or within the bark of the host trees. Check with local forestry service for further information and recommendations.
CULTURAL & PHYSICAL CONTROL	Check for larval galleries on living specimens, removing them as necessary. If these exist on dead hosts, incineration of infested logs, or otherwise storage at a great distance from other potential hosts, is recommended.

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