





Technical Bulletin for: Brown Spruce Longhorn Beetle

Tetropium fuscum (Fabricius) • Coleoptera, *Cerambycidae* • TETFUS



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| DISTRIBUTION | Europe, Northern Asia, and recently introduced into Canada |
| HOSTS | Spruce and Pine trees, but Fir, Larch, and other hardwood trees can be preyed upon |
| DESCRIPTION | |
| Adult Moth | Adult is a small pale brown to black beetle about 8-17 mm in length at maturity. Two long reddish antennae and 2-3 stripes run the length of the wing cover. |
| Larvae | Larvae are yellowish-white and at maturity reaching a length of about 28 mm. |
| Eggs | Eggs are greenish-white and very small (about 1 mm). |
| LIFE HISTORY | Females lay their eggs on the bark of host trees. Between 10-14 days later, the hatched larvae burrow into the tree. The larvae reach maturity in about two months and will be a maximum of 1 inch in length. Prior to pupation, the larvae then tunnel into the phloem where pupation occurs. The pupation stage lasts approximately two weeks after which the adult beetle chews an exit hole in the bark. It is not known whether there are one or two generations of the beetle per season. It is believed that the beetle larvae overwinter within the tree. |

MONITORING INFORMATION

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| LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE | (-)-alpha pinene, (-) beta pinene, (+)3carene, (+)limonene, and alpha terpinolene in a 4x6", 8 mil pouch with 4.5x2x1 foam. Lure Longevity: 45 days. |  |
| TRAP TO USE | Panel Trap |  |
| MONITORING STRATEGY | Contact your local forester for more information on forest management practices. | |
| CULTURAL & PHYSICAL CONTROL | Limited. Do not moved regulated materials such as spruce firewood out of any Containment Area without prior approval. Use local firewood | |

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Alpha Scents, Inc., 360 S. Sequoia Pkwy. Canby, OR 97013
TEL: 503-342-8611 • FAX: 314-271-7297 • sales@alphascents.com • www.alphascents.com