



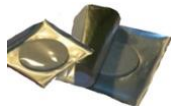

Technical Bulletin for: Mediterranean Pine Engraver

Orthotomicus erosus (Wollaston) • Coleoptera, Scolytidae • ORTERO



DISTRIBUTION	Widely distributed across the Mediterranean and Southern Europe, Asia and North Africa. Introduced to Fiji, South Africa and the U.S.A.
HOSTS	Various species of Pine, Spruce, Cedar and Nordmann Fir.
DESCRIPTION	
Adult Moth	3-3.8 mm long on average and reddish-brown
Larvae	White, C-shaped and legless, with a lightly sclerotized amber head.
Eggs	Smooth, ovoid, white and translucent, approximately 1 mm long.
LIFE HISTORY	The adults are polygamous. The males bore through the bark to the cambium layer where they construct a nuptial chamber. They are joined by one to three females, each of which mates with the male and then constructs an individual egg gallery from the nuptial chamber, parallel to the grain of the wood. Typically, a female oviposits between 26 and 75 eggs in niches along the sides of the galleries. The females will make ventilation holes in their egg galleries and they sometimes abandon the gallery and finish their egg laying in another tree. The larvae mine at right angles to the parent gallery and have three instars. 2-7 generations can be completed per year, overwintering as adults.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	2-methyl-3-buten-2-ol, cis-verbenol and (+/-)-jipsdienol in a coaster lure packet. Lure longevity: 30 days.	
TRAP TO USE	Panel Trap	
MONITORING STRATEGY	Check with local forestry service for information and recommendations.	
CULTURAL & PHYSICAL CONTROL	Check trees for egg and nuptial galleries in the cambium layer. If possible, remove and incinerate these infested areas, painting over the resulting wounds in the tree with wound paint.	

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