





Technical Bulletin for: **Six-Toothed Spruce Bark Beetle**

Pityogenes chalcographus (Linnaeus) • Coleoptera, Scolytidae • PITCHA



DISTRIBUTION	Native to Europe and Asia introduced into the United States.
HOSTS	Prefers young or enfeebled spruce but on occasion will infest other conifers.
DESCRIPTION	
Adult Moth	Elongated, black-brown and glossy body at a length of 2-2.9 mm.
Larvae	Whitish, curved, apode, 2.7-3.0 mm long in its last instar, there are three larval instars.
Eggs	Round, Shiny, Whitish in color
LIFE HISTORY	The males dig a nuptial chamber in the bark. Inside the nuptial chamber, every male copulates with three to six females. After copulation, females begin to bore the mother galleries in a star-like arrangement, depositing about 40 egg niches on both sides of the mother gallery. After hatching, larvae generate larval galleries horizontally to the mother galleries, ending in a pupal chamber where development is completed. There are 1-2 generations per year.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	Chalcogran in an amber bag. Lure Longevity: Thirty (30) Days	
TRAP TO USE	Panel Trap	
MONITORING STRATEGY	Hang traps near infested or potential host trees, spaced apart by at least 20 m. Check with local forester for more information and recommendations.	
CULTURAL & PHYSICAL CONTROL	Inspect trees for nuptial and egg chambers in the bark of the host trees, which may more often than not be young or sick. Remove these areas and dispose of them as necessary. In extreme cases, removal and incineration of entire host tree may be necessary.	

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