





Technical Bulletin for: **Jeffrey Pine Beetle**

Dendroctonus jeffreyi (Hopkins) • Coleoptera, Scolytidae • DENJEF



DISTRIBUTION	Southwestern Oregon and California, to Northern Mexico
HOSTS	Jeffrey Pine
DESCRIPTION	
Adult Moth	Stout, cylindrical beetle about 0.8 mm long and black when mature.
Larvae	The larva is a curved, white, legless grub with a yellow head, and, when grown, it is about the same size as the adult.
Eggs	The egg is oval and pearly-white.
LIFE HISTORY	Adults attack trees by boring into trunk to the junction of bark and wood, where egg galleries are then constructed for about 1.7 mm upwards. Females lay eggs in the niches of the galleries, hatching after 1-3 weeks. Larvae then tunnel through inner bark away from the egg gallery. Pupations is constructed at the end of larval galleries, with adults emerging after 10 days. There are normally one or two generations per year.

MONITORING INFORMATION

LURE ACTIVE INGREDIENTS, SUBSTRATE & FIELD LIFE	1-heptanol and heptane in a plastic bulb. Lure longevity: Thirty (30) days.	
TRAP TO USE	Panel Trap	
MONITORING STRATEGY	Hang traps near affected trees. Check with Local Forestry Service for information and recommendations.	
CULTURAL & PHYSICAL CONTROL	Check trees for egg and larval galleries, tunneling in bark, and adult exit holes. Excise and remove these areas as possible or remove trees as necessary.	

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