





# Technical Bulletin for: Larger Pine Shoot Beetle

*Tomicus piniperda* (Linnaeus) • Coleoptera, Scolytidae • TOMPIN



|                     |  |
|---------------------|--|
| <b>DISTRIBUTION</b> | Europe, northwest African and northern Asia, invasive species in North America   |
| <b>HOSTS</b>        | Scots Pine, European Black Pine, Maritime Pine, Jack Pine, Eastern White Pine, Red Pine, occasionally Spruce and Larch   |
| <b>DESCRIPTION</b>  |  |
| <b>Adult Moth</b>   | Brown to black, 3-4.8 mm long with a cylindrical body.   |
| <b>Larvae</b>       | White C-shaped legless grubs, up to 3.175 mm in length at maturity   |
| <b>Eggs</b>         | Small and oval, similar to other bark beetles.   |
| <b>LIFE HISTORY</b> | The beetles become active when temperatures reach 54° (March or April), mate and lay eggs in stressed or dying pine trees. They also may lay eggs in stumps, logs, bark mulch or healthy pine trees. Females bore egg galleries between the inner bark and the outer sapwood. From April to June larvae will mature, with the adults emerging July through October after pupation. Infestation can result in reduced tree height and diameter are reduced. |

## MONITORING INFORMATION

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|--|---|---|
| <b>LURE ACTIVE INGREDIENTS, SUBSTRATE &amp; FIELD LIFE</b> | Alpha Pinene, Nonanal, trans-Verbenol, Myrtenol, and Ethanol soaked on a sponge in a plastic bag. Lure longevity 45 days.   |  |
| <b>TRAP TO USE</b>   | Panel Trap  |  |
| <b>MONITORING STRATEGY</b>                                 | Traps should be placed in each block 15 meters apart and close to the ground, so the collecting cups are about 20 cm above ground. Check traps weekly. Check with local Forestry Service for further information and recommendations. |   |
| <b>CULTURAL &amp; PHYSICAL CONTROL</b>                     | Chip or burn any culled pines to remove breeding sites. Cut pine stumps low to the ground and apply appropriate insecticide to prevent larval development in late April.  |   |

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