





Technical Bulletin for: **PRIONUS LONGHORN BEETLE**

Prionus Spp. (Geoffroy) • Coleoptera, Cerambycidae • PRIONUS



DISTRIBUTION	Throughout North America. Widespread in Europe and Asia as well. Over 28 species World Wide
HOSTS	Hops, pecan, a wide range of hardwood trees as well as apple, peach, cherry, grape, and conifers.
DESCRIPTION	
ADULT	Adults are large, 38-89 mm in length and brown to almost black in color.
LARVAE	White grubs without legs a quarter inch to three inches in length.
EGGS	Laid singly, cream to yellow-brown in color, and 4.8 mm in length. Females can lay up to 200 eggs
LIFE HISTORY	The life span of the adults is normally 10 – 20 days. The larvae seek out roots shortly after hatching. They furrow and tunnel through the roots as they consume tissue, moving upward and inward and often killing apical regions. Larvae move from smaller to larger diameter roots as they age and grow eventually reaching the root crown. Pupation occurs near the soil surface in a cell constructed of soil and root material. There is one generation for every 2-4 years.

MONITORING INFORMATION

LURE ACTIVE INGREDIENT, SUBSTRATE & FIELD LIFE	3,5-Dimethyldodecanoic acid on paper coaster in an amber bag, Will attract numerous species. Lure Longevity: Seven (7) weeks.	
TRAP TO USE	Panel Trap	
MONITORING STRATEGY	Use one trap per ten acres for monitoring. Denser trapping may be used for mass trapping the male beetles. Check with Cooperative Extension, Master Gardener, or Local Forestry Service for further information and recommendations.	
CULTURAL & PHYSICAL CONTROLS	To prevent prionus infestations, maintain tree health and prevent stress. Watch for canopy dieback or sudden loss of tree vigor. Following an infested field for two or more years, planting annual crops that will be tilled under each year, and avoiding planting trees into infested sites are the best options for managing prionus root borer in infested soil.	

Alpha Scents, Inc.
insect monitoring systems

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