

**Speaker:**

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**Date:** Monday, Oct. 04, 2021

**Time:** 4:00 pm - 4:50 pm

**Zoom:** 948 0131 1028

**Passcode:** 347039

**Title:**

“Indigenous and Prescribed Fire as a Potential Management Tool for Goldspotted Oak Borer”

**Abstract:**

Over a hundred thousand oak trees in southern California have been killed due to *Agrilus auroguttatus*, the goldspotted oak borer, a woodboring Buprestid jewel beetle. Current management options are pesticide application or infested tree removals, both are extremely costly and labor intensive. We are investigating the potential for Indigenous Cultural and or prescribed burning to be used a landscape level management tool for goldspotted oak borer control because Indigenous Cultural burning has been used for thousands of years to control native oak tree pests. Research design is based on finding the kill temperature for infested firewood, and then applying that data to prescribed pile and or understory burns. Preliminary heat treatment results show a 98% reduction in beetle emergence, and preliminary prescribed pile burn results indicate a 90% reduction in beetle emergence. Work is still in progress.