

Researchers in California and O that if annual rainfall is at or belo moderate to heavy tree mortality overstocked second-growth por

The pine engraver beetle, also k the soft fleshy cambium layer be the sapwood. Unfortunately, this kill a weak tree. The pine engramany pine trees in the region bu pine and lodgepole pine.

The pine engraver beetle is a sec opportunist, and will wait until so damaged and weakened the tree an easy meal. It looks for trees *Diplodia* blight, western pine be beetle, and other insects and dis

A gallery is a "tunnel" made by b layer of a tree. Beetles lay their e The young hatch and feed in the making new galleries away from gallery. As shown in Figure 1, th pine engraver beetle creates a ur gallery which looks similar to a " These galleries can be exposed peeling or chopping the bark aw from a suspect looking tree or lin a slash pile. These galleries are