HEMLOCK WOOLLY ADELGID (*ADELGES TSUGAE* ANNAND) PHENOLOGY AND PREDATORS IN THE PACIFIC NORTHWEST

Maggie K. Byrkit[1] and Darrell W. Ross

Department of Forest Science, Oregon State University
[1]321 Richardson Hall, Oregon State University, Corvallis, OR 97331
maggie.byrkit@oregonstate.edu

Abstract

Thirty-one western hemlock (*Tsuga heterophylla*) infested with hemlock woolly adelgid (HWA) in western Oregon are visited monthly. Tree health, HWA development and adelgid density are monitored. Beat samples are used to detect the presence of predatory arthropods on infested branches. From April 2003 to present, HWA have developed through life stages concordant with those in eastern states, with similar timing. HWA populations in Oregon are small. No decline in tree health due to HWA has been observed. Small numbers of several predatory insect taxa have been collected from HWA infested branches, including *Laricobius nigrinus*, mirids, other hemipterans, earwigs, coccinellid beetles and lacewings.