

Pest Profile



Photo credit: Eric R. Day, Virginia Polytechnic Institute and State University, Bugwood.org

Common Name: Pales Weevil

Scientific Name: *Hylobius pales*

Order and Family: Coleoptera, Curculionidae

Size and Appearance:

	Length (mm)	Appearance
Egg	1.25mm	-Eggs are white and pearly looking -Eggs are laid in a niche that the female chews out in stumps of trees or roots
Larva/Nymph	1.5mm	-Legless white grub -Head is light brown color -Have 5-6 instars -Larvae tunnel in the stump or roots they are living in
Adult	7-12mm	-Reddish brown in color -Beak is thick and mostly straight -Whitish yellow tufts of hair are on the wing covers -Nocturnal
Pupa (if applicable)	10mm	-Pupation occurs in a chamber -Chamber can be inside sapwood or in bark

Type of feeder (Chewing, sucking, etc.): Chewing

Host plant/s: They feed on most native and several exotic coniferous species such as pine, juniper, Douglas-fir, spruce, fir, hemlock, larch, and cedar.

Description of Damage (larvae and adults): Adult weevils usually feed on the aboveground bark tissue of the stems of seedlings. Feeding below the root collar also occurs, especially on planted seedlings that have loosely packed roots. Bark is eaten down to the wood. Whitish, crystallized resin forms over the wounds, giving the seedling a sugary appearance. When feeding is heavy, large patches of bark are removed. This may girdle and kill the seedling. If girdling occurs quickly, no resin forms in the wound, and the stem wood appears dry and bare. When weevils are numerous, the seedling will be completely stripped, leaving a bare, curled stem surrounded at the base by a pile of detached needles.

References:

Cotinis. (2004, August 27) Species *Hylobius pales* – Pales Weevil. Retrieved March 17, 2016 from <http://bugguide.net/node/view/6247>

Cranshaw, W. (2014). Garden Insects of North America: The Ultimate Guide to Backyard Bugs. Princeton University Press.

Nord, C.,J., Ragenovich, I., Doggett, A.,C. (1997, September). Pales weevil. Retrieved March 17, 2016 from <http://na.fs.fed.us/SPFO/pubs/fidls/pales/fidl-pales.htm>

Peirson, H. B. (1921) The Life History and Control of the Pales Weevil (*Hylobius pales*). Retrieved March 17, 2016 from <http://harvardforest.fas.harvard.edu/sites/harvardforest.fas.harvard.edu/files/publications/pdfs/HFpubs/b3.pdf>