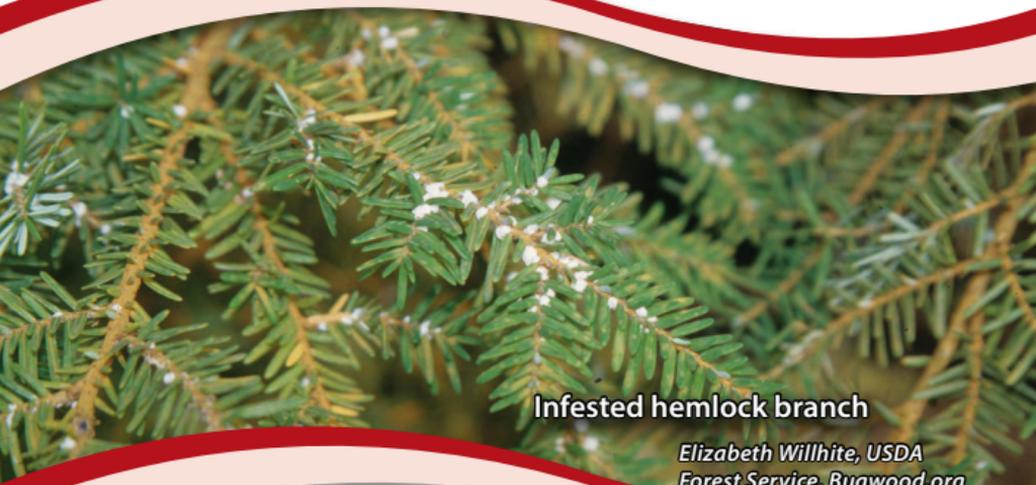


# Forest Pest Alert

## Hemlock Woolly Adelgid

*(Adelges tsugae)*



Infested hemlock branch

Elizabeth Willhite, USDA  
Forest Service, Bugwood.org

- These tiny insects secrete white wax as they feed on sap from hemlock shoots and branches. This feeding can kill needles, shoots and branches and over time the entire tree.
- More than 100 million mature hemlocks in Michigan are at risk of being affected by this insect.
- Hemlock woolly adelgid is common in many eastern states.
- Eggs and very young adults can be moved on hemlock nursery stock, logs and firewood.
- If you notice white, waxy material at the base of the needles on a hemlock tree, do not move it from the site, take photos, note the location and report it to the following:

1-800-292-3939 | [www.misin.msu.edu](http://www.misin.msu.edu)

[MDA-Info@michigan.gov](mailto:MDA-Info@michigan.gov)

Learn More:

[www.michigan.gov/HWA](http://www.michigan.gov/HWA)  
[www.na.fs.fed.us/fhp/hwa](http://www.na.fs.fed.us/fhp/hwa)



**Don't Move Firewood!**