

Current Status of the Eastern Hemlock and Predictions for the Future

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Abstract

The Eastern Hemlock is an important species of tree that is in the Pine family. Many organisms rely on it in order to maintain the precarious balance they require to survive. The Hemlock Woolly Adelgid is an exotic invasive species that is engulfing the Eastern Hemlock forests. The best way to seal the Hemlock Woolly Adelgid is through biological control. Biological control is the use of a natural predator to kill the pest. There are other methods, but none accomplish as much as the *Sasajicymnus tsugae*. Without the *Sasajicymnus tsugae* beetle, the Adelgids will overtake the Eastern Hemlock Forests.