

History of the Introduction of *Adelges tsugae* Based on Voucher Specimens in the Smithsonian Institute National Collection of Insects

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Abstract

Adelges tsugae Annand, the hemlock woolly adelgid, was described in 1924 and was first collected from hemlock in the eastern United States on April 25, 1951, in Richmond, Virginia. *Adelges tsugae* was collected in Pennsylvania in 1969 and in Maryland in 1973 and has established itself as a serious pest on hemlocks in the eastern United States. The first collection in the United States of winged females of *A. tsugae* occurred on May 27, 1968, in Blacksburg, Virginia. Specimens to document all of these collections were deposited in the SI National Collection of Insects and point to the importance of depositing voucher specimens in an established collection.

Keywords:

Adelges tsugae, voucher specimens, Smithsonian Institute.