

Determining the Phenology of Silver Fly (*Leucopis* spp.) on Hemlock Woolly Adelgid (*Adelges tsugae*)

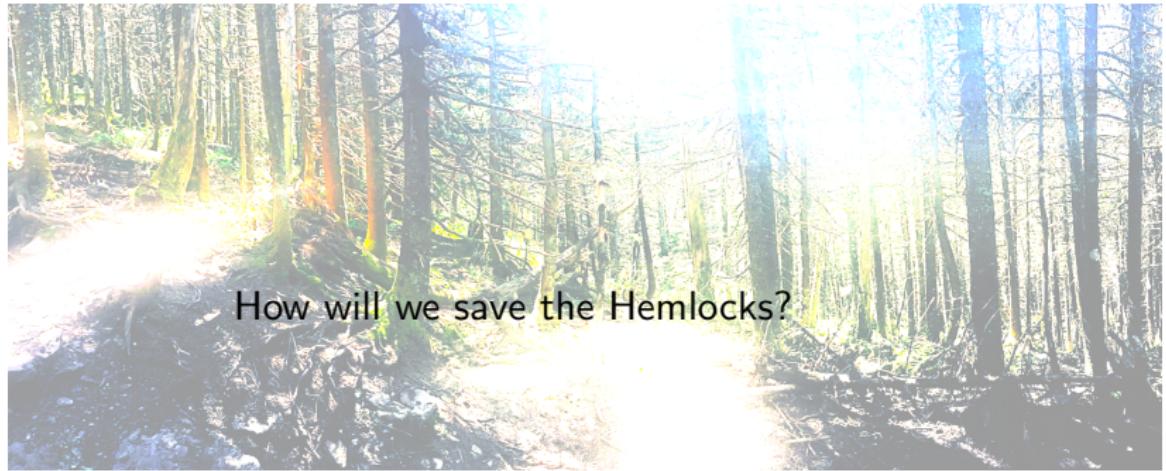
Alex Neidermeier

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Introduction



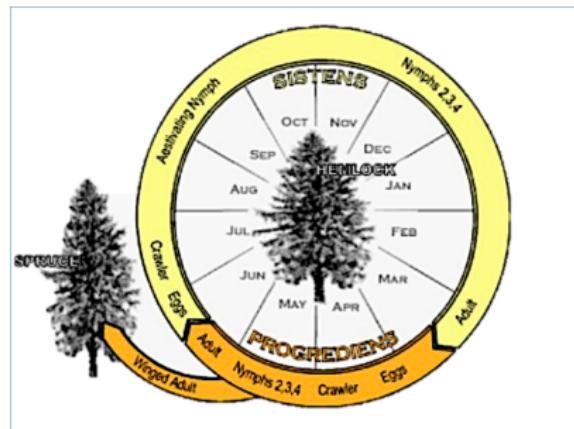
Figure 1. Silver Fly



Introduction

Silver Fly, *Leucopis* spp.

- ▶ Success in other countries
- ▶ Targets **both parts** of HWA lifecycle



Introduction

HWA Spread in the Eastern United States

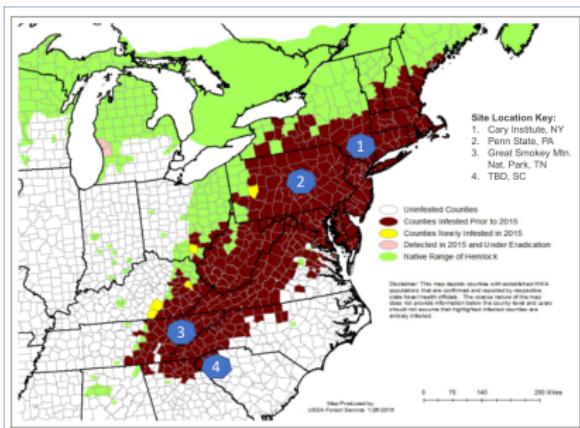


Fig 1 (Havill et al. 2014): Biological control efforts have merited attention due to their host specificity, ability to lower and target HWA during multiple parts of its lifecycle, scalability, long-term potential to establish, and minimal impact on hemlock mortality⁵.

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- ▶ **Objective 3:** Assess the establishment, phenology, survival, and fecundity of the PNW *Leucopis* spp. in a full tree enclosure.