



- ▼ CAES Home
- ▼ Making an Impact
- ▼ Hot Topics
- **Invasive Species**

#### Invasive Species

### Hemlock Wooly Adelgid

The invasive hemlock wooly adelgid (HWA) *Adelges tsugae* is a serious threat to eastern hemlock and Carolina hemlock. HWA was first documented in Georgia in 2004 and now occurs in at least 11 northern counties. UGA entomologists in Griffin are conducting several projects to learn more about this threat. In one project, a series of experiments compared commercially available and experimental insecticides, rates, application methods and timing for wooly adelgid control in Georgia and North Carolina. The objective of a second project was to manipulate tree health and adelgid populations using imidacloprid insecticide and fertilizer to provide an adequate, uninterrupted supply of high-quality adelgids to support long-term predator population growth. In a third project, they evaluated four hemlock species under three fertilizer regimes to determine whether or not fertilization affected their adelgid resistance and to examine if feeding preference of their predators was affected by prey quality. Research identified chemical control options for the invasive hemlock wooly adelgid in landscape settings. (2010)

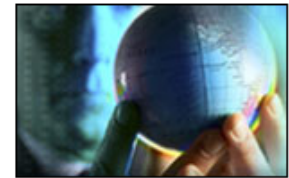
#### Sources:

[K. Susan Braman](#)

#### Based on:

[Managing Hemlock Wooly Adelgid](#) (2010)

[top](#)



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