

# Nature's Notebook Phenophase Photo Guide



**PEST PATROL  
CAMPAIGN**

## *Anoplophora glabripennis* Asian longhorned beetle

### Why Observe?

Non-native Asian longhorned beetles (*Anoplophora glabripennis*) overwinter as both eggs and pupae. Adults emerge from pupae in the summer, and are typically active until October. Females lay eggs in the bark of trees and larva later emerge from the tree leaving perfectly round exit holes.

We forecast adult emergence based on growing degree days.

**If you observe an adult Asian longhorned beetle, report it online immediately to USDA APHIS (or call 1-866-702-9938).**



Rhonda Santos, USDA

### Tips for Identification

Adult beetles are 0.75-1.25 inches long with very long black and white antennae. They have black bodies with irregular white spots.

Be aware that there is variation from individual to individual within a species, so your insect may not look exactly like the one pictured. If you are uncertain whether or not a phenophase is occurring, report a “?” for its status until it becomes clear what you are observing after subsequent visits.



Michael Bohne, USDA Forest Service, [Bugwood.org](http://Bugwood.org). CC BY 3.0



[Pudding4brains via Wikimedia Commons.](#)

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### Adults

One or more adults are seen or heard moving about or at rest.

## Image Needed

email  
[photos@usanpn.org](mailto:photos@usanpn.org)

### Adults feeding

One or more adults are seen feeding. If possible, record the name of the species or substance being eaten or describe it in the comments field. For *Anoplophora glabripennis*, adults feed on the leaves and twigs of trees.



[Dean Morewood, Health Canada, Bugwood.org. CC BY 3.0](#)

### Mating

A male and female are seen coupled in a mating position, usually with the male on top of the female.



[Dean Morewood, Health Canada, Bugwood.org. CC BY 3.0](#)

### Egg laying

A female is seen laying eggs on a plant. If possible, record the name of the plant or describe it in the comments field. For *Anoplophora glabripennis*, eggs are deposited inside holes the female has chewed in the bark of a tree.

**Phenophases not pictured:** Dead adults, Individuals in a net, Individuals in a trap