



Arizona Department of Agriculture

Plant Services Division

Asian Longhorned Beetle (ALB)

Coleoptera: Cerambycidae: *Anoplophora glabripennis*

Origin: Asia (E. China, Japan, Korea)

Current USA Quarantines:

New York, Massachusetts, Ohio

Host Trees:

Acer (maple), *Aesculus* (horse chestnut), *Albizia* (mimosa), *Betula* (birch), *Celtis* (hackberry), *Cercidiphyllum* (katsura), *Fraxinus* (ash), *Koelreuteria* (golden rain tree), *Platanus* (sycamore), *Populus* (poplar), *Salix* (willow), *Sorbus* (mountain-ash) and *Ulmus* (elm).

Appearance (Figure 1):

- ¾-1½ inches long
- Shining black
- Irregular white spots
- Upper sections of legs whitish-blue
- Banded long antennae
- Dark scutellum
- Slanted/flat face

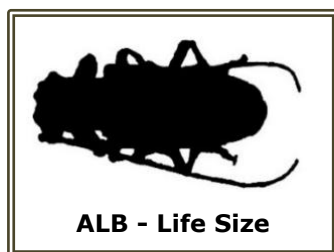


Figure 1. Asian longhorned beetle

Similar Arizona Species

White-spotted sawyer

(*Monochamus scutellatus*) (Figure 2)

- ¾ to 1¼ inches long
- Throughout much of the USA; feeding on conifers
- Dark shining metallic black
- White mottling
- White scutellum



Figure 2. White-spotted sawyer

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ALB Damage:

- Adults lay eggs in chewed out cavities on branches or the trunk (Figure 3)
- Larvae burrow into the tree towards the heartwood, destroying the wood quality
 - Larval damage can result in girdling of the tree, leading to reduced vigor and death
- Adults emerge through 3/8" holes in the wood (Figure 4)
 - These holes become sites for secondary attack (disease & insects)
 - The holes can ooze sap and have an accumulation of sawdust
- To help limit the spread of ALB, infested trees are removed and destroyed



Figure 3. ALB ovipositing damage

ALB Detection:

- Primarily intercepted in wooden packing and shipping materials from infested areas, but any wooden items, especially firewood, from infested areas should be inspected.
- Vehicles, passenger baggage, cargo and other packages from infested regions should be checked for hitchhiking adults.



Figure 4. ALB larval exit hole

Resources / Image Credits

USDA Asian Longhorned Beetle Information. www.beetlebusters.info

Paine & Hoddle. 2013. Asian Longhorned Beetle. Center for invasive species research. http://cizr.ucr.edu/asian_beetle.html

Figure 1: Aleks Woodroffe - Arizona Department of Agriculture

Figure 2: Steven Katovich - USDA Forest Service, Bugwood.org

Figures 3 & 4: Joe Boggs - University of Georgia, Bugwood.org