

INVASIVE SPECIES ALERT!

ASIAN LONG-HORNED BEETLE

(Anoplophora glabripennis)

REPORT INVASIVE SPECIES

www.reportinvasives.ca

NATIVE RANGE

The Asian Long-horned Beetle is native to countries in Asia, such as Japan, Korea and China.

DESCRIPTION

Asian Long-horned Beetles...

- Are shiny black in colour, 20-35 mm long and 7 -12 mm wide
- Have approximately 20 irregular white spots on each elytron (wing cover)
- Have antennae that are longer than the body, with a white to white-blue base
- Have a rounded end tip of abdomen
- Are distinct for their bluish-white legs
- Are seen as adults from July to September

WHY SHOULD WE CARE?

Asian Long-horned Beetles...

- Have the potential to change the ecological diversity of natural forests in North America
- Could seriously impact B.C.'s lumber and environmental tourism industries
- Could lead to decrease in property values through dramatic tree loss
- Are extremely costly for inspection, treatment, and removal of infested trees

BIOLOGY & SPREAD

Asian Long-horned Beetles can be introduced into North America through transportation within infested wooden pallets, crates, boxes and dunnage. Adult females create a pit in bark and lay a single egg. Young larva feed within the inner bark of the tree, often causing the bark to look concave. Mature larvae then burrow further into the heartwood, feeding and creating tunnels that eventually cause tree mortality when infestation numbers are high. Adult beetles emerge through exit holes, and then feed on leaves, petioles, and twigs. Adult Asian Long-horned Beetles can then move to new locations by flying to new host trees or through movement of infested wood products.



DID YOU KNOW?

There are signs that indicate Asian Long-horned Beetles have invaded trees.

Egg Laying Site on Bark:

- about 10 mm wide on bark
- bark initially reddish-brown (lasts for up to one year)
- can occur from ground level up to the crown of the tree
- project frass (wood shavings)

Exit Hole on Bark:

- 6-12 mm in diameter
- expels large coarse wood fibers
- present anywhere above ground, including exposed roots

Tree Leaves:

- wilting and yellow in colour
- branches die back

ASIAN LONG-HORNED BEETLE (*Anoplophora glabripennis*)

LOOK-ALIKE SPECIES

Look-Alikes	Distinguishing Features
Banded Alder Borer (<i>Rosalia funebris</i>) 	<ul style="list-style-type: none">• black dot over white background on middle body segment closest to head• thick white and black horizontal stripes on the elytra (wing cases)
Flat-faced Longhorn Beetles (<i>Synaphaeta guexi</i>) 	<ul style="list-style-type: none">• bodies are mostly white/grey in colour with black dots and black horizontal zig-zag markings on elytra (wing cases)• create egg laying sites on big leaf maples; much smaller than those of Asian Long-horned Beetles
White Spotted Sawyer (<i>Monochamus scutellatus</i>) 	<ul style="list-style-type: none">• smaller than Asian Long-horned Beetles• black, non-shiny body• terminal end of the abdomen is pointed• distinct white dot at top of wing cover in the middle



Photo Credit: Bruce Gill,
Canadian Food Inspection Agency

ARE THEY HERE YET?

No. There have been no reports of Asian Long-horned Beetles in B.C.

HABITAT

Asian Long-horned Beetles can be found in urban agricultural, rural and forested regions in/on host trees such as: *Acer* (Maple) *Salix* (Willow), *Populus* (Poplar), *Betula* (Birch), *Aesculus* (Horsechestnut), *Albizia* (White Silk), *Celtis* (Hackberry), *Cercidiphyllum* (Katsura), *Koelreuteria* (Goldenrain Tree), *Platanus* (Plane or Sycamore), *Sorbus* (Mountain Ash), and *Ulmus* (Elm). The primary host for populations introduced into Canada and the US is maple.

WHAT SHOULD I DO IF I FIND ONE?

- Report Asian Long-horned Beetles, or any other invasive species via the Report Invasives phone app, or via the webform available on the B.C. Inter-Ministry Invasive Species Working Group website accessed via: www.gov.bc.ca/invasive-species
- **Contact the Canadian Food Inspection Agency** (<http://www.inspection.gc.ca>)

Burnaby office: 604-292-5785

Victoria office: 250-363-3454

Kelowna office: 250-470-4897



HOW CAN WE STOP THEM?

- Do not possess, breed, ship or release Asian Long-horned Beetles in B.C.
- Check for the presence of Asian Long-horned Beetles in potentially infected tree products
- Don't move firewood or other potentially infested wood material over long distances.
- Burn it where you buy it!
- Raise awareness to avoid spread into B.C. forests