

ASIAN LONGHORNED BEETLE

IMPORTANT TACTIC TO ERADICATE THIS PEST: VIGILANCE



DESCRIPTION

The Asian Longhorned Beetle (*Anoplophora glabripennis*) is native to China and most often found to **feed on maple species trees** including red, silver and sugar maples as well as the box elder, London plane, mimosa, birch, elms, horse chestnut, poplar and willow trees. Mature beetles emerge from trees beginning in late May, lasting through October with a frequency peaking in July.

Adult beetles are 3/4 to 1-1/4-inch in length, black with white spots and long antennae striped with white and black. The Asian longhorned beetle is extremely destructive. The damage is caused by beetle larvae which burrow deep within a tree to feed on its food and water conducting vessels. Continued feeding causes structural defects and eventually kills the life-sustaining cambial layer by girdling. Mature beetles then burrow out of the tree leaving holes (3/8") in diameter. Heavy Asian Longhorned Beetle infestations can kill otherwise healthy adult trees.

Signs of an infested tree are oval pits in the bark, oozing sap, accumulation of coarse sawdust, and round exit holes. Currently, Research is underway to determine the effectiveness of **certain insecticides such as imidacloprid against the Asian Longhorned Beetle.** Here in North America, **they have few natural predators. In all cases of infestation, the affected trees are cut down and the wood destroyed.**

HOSTS

Common Hosts

<i>Acer</i>	Maple, boxelder
<i>Aesculus</i>	Horsechestnut, buckeye
<i>Salix</i>	Willow
<i>Ulmus</i>	Elm

Less Common Hosts

<i>Betula</i>	Birch
<i>Platanus</i>	Plane tree, sycamore

Occasional hosts

<i>Albizia</i>	Mimosa, silk tree
<i>Celtis</i>	Hackberry
<i>Fraxinus</i>	Ash
<i>Populus</i>	Poplar (excluding cottonwood)
<i>Sorbus</i>	Mountain-ash



Asian Longhorned Beetle
(*Anoplophora glabripennis*)



Asian Longhorned Beetle bores into the hardwood of a tree feeding on its water and conducting vessels.

IF YOU SEE A BEETLE

Any sighting of the beetle should be reported to the City of Worcester Customer Service Center at (508) 929-1300 or report it to the Massachusetts Introduced Pests Outreach Project online at www.massnrc.org/pests. Any resident concerned about inspectors in their neighborhood can call the Worcester regional field office of the USDA at (508) 799-8330.

