

PRESENTATION OVERVIEW

2019 WESTERN CHAPTER ISA
CONFERENCE & TRADE SHOW

Asian longhorned beetle – how reliable are our information?

Date/Time/Session: **WEDNESDAY, 5.01.2019, 2:05:00 PM, in the PESTS session**

Presentation Length: **45 minutes**

Presented by: **Johan Östberg**

Co-Presenter (if scheduled): **NA**



Overview of Presentation:

Two devastating insect pests have been introduced to North America and Europe - the asian longhorned beetle (ALB) (*Anoplophora glabripennis*) and the citrus longhorned beetle (CLB) (*Anoplophora chinensis*). These two wood-boring beetles are argued to be one of the most serious threats to the tree landscape since they have a large number of host species and genera. With the aim of creating an up-to-date compilation of these hosts, a systematic review was made of the literature for information on tree species attacked and used by ALB and CLB as hosts for complete life cycle or for feeding. This study revealed that a large number of tree species and genera are liable to be attacked by ALB and CLB. However, based on the findings, the whole picture is still unclear. One reason for this is the lack of transparency in published studies regarding lists of susceptible tree species for ALB and CLB. Another factor that needs to be reported is whether a tree species supports the complete life cycle of the beetles or just feeding by adult beetles. Without this information, species possessing moderate host qualities are at risk of being incorrectly labelled as hosts and hence excluded as urban trees.

Presenter Bio:

Johan Östberg is an associate professor at the Department of Landscape Architecture, at the Swedish University of Agricultural Sciences in Alnarp, where he's been working since 2007. Apart from his academic career he is also an ISA Certified Arborist and active as a consultant, where he is running a consultant networking comprising of consultants from a different profession, working together to create management plans for larger tree populations in Sweden.