



Adult exit hole at the base of trunk. (Photo: Plant Protection Service Archive, Plant Protection Service, Bugwood.org)

to collect and kill adult beetles in orchards in an attempt to reduce populations (McDougall 2001).

Economic and environmental significance to Michigan

If the citrus long-horned beetle were to become established in Michigan, it may disrupt Michigan's pome fruit productions through direct damages and regulatory measures. Establishment may also result in restricted movements and exports of logs and solid wood products via quarantine, reduced marketability of lumber, and reduced plantings of broadleaf trees in urban landscaping. Environmental impacts of invasion may include loss of biodiversity in broadleaf forests and urban landscapes (e.g., trees killed or weakened by the infestation or infested trees destroyed in eradication efforts), and increased risk of wildfires more trees die. Tens of thousands of trees have been cut down in New York, New Jersey and Chicago in effort to eradicate the related Asian long-horned beetle, *Anoplophora glabripennis*.

- Round exit holes (6-11 mm in diameter) on the lower trunk or exposed roots.
- Sawdust like frass or wood-pulp around exit holes at the base of a tree.

Likely pathways of entry in Michigan

Shipments of solid wood packing material, solid wood products, logs, lumber, bonsai and nursery stock of broadleaf trees from China, Japan and Korea.

Management notes

Infestations are eradicated by removing and destroying infested trees. In Japan, children are often paid by growers

If you find something suspicious on a susceptible host plant, please contact MSU Diagnostic Services (517-355-4536), your county extension office, or the Michigan Department of Agriculture (1-800-292-3939).

References

McDougall, D. N. 2001. Pest Reports—EXFOR Database: *Anoplophora chinensis*. (<http://www.spfnc.fs.fed.us/exfor/data/pestreports.cfm?pestidval=76&langdisplay=english>)

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USDA-APHIS. 2008. Pests of national concern for fiscal year 2009. (http://www.aphis.usda.gov/plant_health/plant_pest_info/pest_detection/downloads/survey/survey-2009/Appendix-G.pdf)

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