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Sent: Wednesday, May 19, 2004 4:46 PM
Subject: Asian Longhorned Beetle (ALB) Update for New Jersey

Update courtesy of Carl P. Schulze, Jr. , Director, Division of Plant Industry, New Jersey Department of Agriculture

In October 2002, Asian longhorned beetle (ALB) was spotted in Jersey City, NJ. This discovery marked the first time that the invasive exotic pest has been seen outside the quarantined regions of Illinois and New York. In September 2003, ALB was also found in Toronto, Ontario. ALB traveled to North America in infested wooden pallets and wooden packing material.

In response to the 2002 find, the New Jersey State Board of Agriculture authorized a quarantine (N.J.A.C. 2:20-8) to control the spread of Asian longhorned beetle in Jersey City and Hoboken. In May 2003, USDA APHIS amended the federal Asian longhorned beetle quarantine (7 CFR 301.51) to include sections of Hudson County, NJ (Jersey City and Hoboken).

The NJDA and USDA quarantines require that 'regulated articles' moved outside the quarantine area meet certain conditions and be accompanied by a certificate or a limited permit issued by USDA. Extreme caution should be taken to assure unintentional transport of the beetle does not occur. The following are regulated articles: Firewood (all hardwood species), and green lumber and other material living, dead, cut, or fallen, inclusive of nursery stock, logs, stumps, roots, branches, and debris of half an inch or more in diameter of the following genera: Acer (maple), Aesculus (horse chestnut), Betula (birch), Hibiscus syriacus L. (Rose of Sharon), Malus (apple), Melia (chinaberry), Morus (mulberry), Populus (poplar), Prunus (cherry), Pyrus (pear), Robinia (locust), Salix (willow), Ulmus (elm), and Citrus. Additionally, a regulated article is also any other article, product, or means of conveyance if an inspector determines that it presents a risk of spreading Asian longhorned beetle.

See magnifiable map of **quarantine, treatment, and tree removal zones** for Jersey City and Hoboken infestation @ <http://www.pestmanagement.rutgers.edu/NJinPAS/postings/AlbTreatment.pdf> as well as an aerial photograph of the quarantine @ http://www.aphis.usda.gov/lpa/issues/alb/albmap/nj_quarmap10-02.jpg .

All the trees within the quarantine zone (which includes parts of Jersey City and neighboring Hoboken) were initially checked and mapped to determine whether they are host species, and if so they were climbed and checked for ALB. A total of **113 infested trees were removed** and chipped, along with all potential host trees (an additional **347** trees) within the circle. This site is being replanted with non-host species. Additionally, **982** trees were treated using soil injections, and **78** trees received direct injections into the trunk of the trees. The survey of host trees with the "yellow" quarantine area will be done annually - and is expected to continue for at least the next 4 years. NJDA and USDA APHIS teams have surveyed approximately half of the trees thus far for this year. They have had no positive results of ALB presence. See <http://www.na.fs.fed.us/spfo/alb/data/njinfect.htm> for the infestation survey results for 2003 and 2004.

In 2003, the USDA Animal Plant Health Inspection Service (APHIS) and the NJ Department of Agriculture used imidacloprid treatments to protect high risk, non-infested host trees within the central part of the quarantine area from Asian longhorned beetle. Department staff and USDA APHIS personnel monitored the treatments to ensure that were completed safely, and according to contract specifications. Similar treatments are planned for 2004. Consumers should be advised that neither USDA APHIS nor NJDA advocate the use imidacloprid treatments as a general preventative measure for Asian longhorned beetle elsewhere in the State.

In the next four to five years, the NJDA, USDA APHIS and NJDEP Bureau of Forestry are jointly conducting grid surveys of 9 points per square mile of host trees within a 25-mile radius of the epicenter of the original infestation. The formal quarantine continues and will remain in place for at least two additional years. It will only be lifted if there is continued negative survey data for the presence of ALB.

Contact for further info: Barry Emens, USDA ALB Director NJ
Paul Kurtz, NJDA ALB Project Leader
866-BEETLE-1

Resources:

- USDA APHIS website for ALB: <http://www.aphis.usda.gov/lpa/issues/alb/alb.html>
 - Rutgers Postings: 6/17/03: [Asian Longhorned Beetle Update with Graphics: http://www.pestmanagement.rutgers.edu/NJinPAS/postings/albgraphic.pdf](http://www.pestmanagement.rutgers.edu/NJinPAS/postings/albgraphic.pdf); and 10/17/2002: [Federal Resources on Asian Longhorned Beetle: http://www.pestmanagement.rutgers.edu/NJinPAS/postings/FedALBresources.pdf](http://www.pestmanagement.rutgers.edu/NJinPAS/postings/FedALBresources.pdf)
 - The NJ Department of Ag's Division of Plant Industry website: <http://www.state.nj.us/agriculture/plant/index.html> and <http://www.state.nj.us/agriculture/news/p21011a.htm>
 - DEP: <http://www.state.nj.us/dep/parksandforests/forest/community/alb.html>
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