



PEST REPORT - THE NETHERLANDS

UPDATE - Findings of *Anoplophora chinensis* on *Cornus* sp., and *Crataegus* sp.

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Introduction

Directly adjacent (within a radius of 5 m.) to infested *Acer* trees detected at the end of 2007 (see pest report January 2008), three infested plants have been found in mid August 2009. This concerns two plants of *Cornus* sp. (in each plant one larva of *A.* – see figure 4), and two fresh exit holes in a neighbouring shrub of *Crataegus* sp. (see figure 3). All findings are located within the official infested zone (radius approximately 50 m.), which was installed in January 2008 for a period of four years, following the first detection of this outbreak. Figure 1 indicates exact locations of the findings of 2007/2008 and the recent findings in 2009.

All findings have been detected in a small row of street trees with undergrowth of different species of shrubs (*inter alia* *Rosa* sp., *Cornus* sp., *Philadelphus* sp.,) following further surveillance in the infested area (see figure 2). Relevant measures, including removal and destruction of outdoor deciduous trees and shrubs within the infested zone and within a radius of 100 m. surrounding the infested zone will be applied. All findings are located directly adjacent to a company, which imported *Acer* spp. from China, in the period 2002 - 2007. Infested *Acer* plants were found at the company following the detection of the outbreak at the end of 2007. *A. chinensis* is listed as a harmful organism for the European Community which is not known to occur in any part of the Community and relevant for the entire community (see Council Directive 2000/29/EC). Specific emergency measures have been in place since the beginning of 2008. These measures are in line with Commission Decision 2008/840/EC of 7 November 2008, including the demarcation of the infested zone and a buffer zone with a radius of 1 km.

Pest status: Transient, isolated outbreak, only detected on *Acer* sp., *Cornus* sp., *Corylus* sp., and *Crataegus* sp., under eradication.

Impact

In terms of area and direct damage to trees and shrubs the impact caused by the harmful organism is very limited. The impact of the measures for completely removing deciduous trees and shrubs within a range of 100 m. has major consequences for the owners of private gardens. This outbreak is in the western part of the Netherlands, an area with a high population density, cities and industrial estates and very limited forest area.

Surveillance

For improving regular surveillance in the infested zone, undergrowth bushes were removed during the middle of August 2009. These surveillance activities have led to the new findings in the infested zone. National countrywide surveillance will now also include *Cornus* sp. and *Crataegus* sp., next to other host plants indicated in Commission Decision 2008/840/EC.

Phytosanitary measures

Cornus sp. concerns a new deciduous host species, which was not previously known as a host plant for *A. chinensis*. Therefore outdoor deciduous trees and shrubs within the infested zone and in a radius of 100 m. surrounding the infested zone will be removed, inspected and destroyed. One crop of *Hydrangea* sp. plants for cutflower production adjacent to the infested zone will be pruned and inspected under official control. The delimitation of the infested zone and the buffer zone of the outbreak area remains the same as previous year, because the findings are part of the original infestation detected at the end of 2007 and additional stringent measures will be taken for eradication. The surveillance period for the demarcated area will be extended with another two years, notably until the end of 2013.

Clearcut zone



Area where host plants have been removed at the beginning of 2008, and where all deciduous trees and shrubs will be removed by the end of 2009.

■ Findings August 2009 (*Cornus* sp., *Crataegus* sp.)

▲ Findings 2007/2008 (*Acer* sp., *Corylus* sp.)



Ministry of Agriculture,
Nature and Food Quality
Plant Protection Service



Figure 1 – Demarcation infested zone in municipality ‘Westland’ – The Netherlands

Figure 2 - Felling of trees and shrubs and sawing of root systems for detecting *A. chinensis*.



Figure 3 - *Crataegus* trunk with exit hole of adult of *A. chinensis* (enlargement - right picture)



Figure 4 - larva tunnel hole in trunk of *Cornus*



Reference: Plant Protection Service of the Netherlands