



PEST REPORT - THE NETHERLANDS

Finding of *Leptoglossus occidentalis* Heidemann, 1910 (Hemiptera: Heteroptera: Coreidae) in The Netherlands

Introduction

This pest report concerns the presence of *Leptoglossus occidentalis* (conifer seed bug) in The Netherlands. The bug is probably introduced in The Netherlands through natural distribution via Germany and/ or Belgium. Several pictures of this bug were sent to the NPPO by citizens from the south-west part of the country. Specimen were found in houses and private gardens and identified as *Leptoglossus occidentalis*.

Pest status: Present

Host Plants: *Pinus spp.*, *Calocedrus decurrens*, *Pseudotsuga menziesii*, *Tsuga canadensis*.

Geographical distribution: USA, Mexico, Canada; Italy, Switzerland, Croatia, Spain, Austria, Germany, Hungary, France, Serbia, Slovakia, Belgium, United Kingdom, Poland, Czech Republic

Means of movement and dispersal: Natural distribution and human activities. Adults may overwinter in wood or christmas trees

Biology and impact

Leptoglossus occidentalis feeds on the seeds in cones from *Pinus* and during winter on needles. The bug may cause a severe problem in *Pinus* seed production facilities. In public green areas or private gardens, the impact on *Pinus* is low. The bug may enter houses and buildings to overwinter, and may thus cause inconvenience to humans, like cockroaches.

Phytosanitary measures

No measures will be taken, since natural distribution is most likely to cause new introductions.

References

- Aukema, B. & R. Libeer, 2007. Eerste waarneming van *Leptoglossus occidentalis* in België (Heteroptera: Coreidae). – Bulletin van de Koninklijke Belgische Vereniging voor Entomologie 143; 92-93.
- Aukema, B. 2008. De invasieve Noord-Amerikaanse wants *Leptoglossus occidentalis* bereikt ook Nederland (Heteroptera: Coreidae). – Nederlandse Faunistische Mededelingen 29.
- Beránek, J. 2008: Vroubenka americká rok poté. Živa 56/94: 125
- Dusoulier, F., R. Lupoli, H.-P. Aberlenc & J.-C. Streito, 2007. The eastern invasion of *Leptoglossus occidentalis* (Coreidae) in France, 2007. - Het News 12, Autumn 2008: 10-12.
- Kment, P., & Beránek, J., 2008. Additional records of the invasive Nearctic bug *Leptoglossus occidentalis* (Heteroptera: Coreidae) in Croatia. -
- Moulet, P., 2006. Un nouveau Coréide en France: *Leptoglossus occidentalis* Heidemann, 1910 (Heteroptera: Coreidae). – Entomologiste (Paris) 62: 183-184.
- Werner, D.J., 2006. – *Leptoglossus occidentalis* nun auch in Deutschland. – Heteropteron 23:38.
- Western Conifer Seed Bug *Leptoglossus occidentalis*.
http://www.ento.psu.edu/extension/factsheets/western_conifer_seed_bug.htm (19 Oct 2007).
- Klass C., 2003. Western Conifer Seed Bug: An Unwanted Houseguest.
<http://counties.cce.cornell.edu/suffolk/grownet/insect-pests/westernconifer.htm> (19 Oct 2007).