

Mini data sheet on *Acizzia jamatonica*

Added in 2004 - Deleted in 2006

Reasons for deletion:

Acizzia jamatonica has been deleted in 2006 due to its rapid and extensive natural spread. No effective phytosanitary measures could be identified.

Acizzia jamatonica (Homoptera: Psyllidae) - a new pest of *Albizzia*

Why	The presence of <i>Acizzia jamatonica</i> , a psyllid pest of <i>Albizzia</i> (Fabaceae) originating from Asia, has recently been reported from several European countries. As this new species is now spreading in Europe, the EPPO Secretariat decided to add it to the EPPO Alert List.
Where	Asia: China, Japan, Korea Democratic People's Republic, Korea Republic. Apparently, in Korea, <i>A. jamatonica</i> is commonly found but not reported as causing damage to <i>Albizzia</i> . EPPO region: Croatia (Istria), France (Vaucluse), Italy (Friuli-Venezia Giulia, Lombardia, Piemonte, Valle d'Aosta, Veneto), Slovenia, Switzerland (Ticino).
On which plants	Monophagous species feeding on <i>Albizzia</i> species. In Europe, it damages <i>A. julibrissin</i> .
Damage	Leaves, flowers, pods and young shoots can be completely colonised by juvenile and adult stages, leading to total or partial desiccation. In heavy infestations, early defoliation can be observed. Large amounts of honeydew are produced which can be a nuisance in urban environments. The life cycle of <i>A. jamatonica</i> includes numerous overlapping generations. Yellow to orange eggs (approximately 0.3 mm long) are laid preferably along leaflet margins. 5 juvenile stages are then observed, all have red composite eyes and produce waxy secretions. Adult males and females are 1.8-2 mm and 2-2.3 mm long, respectively. Their colour varies throughout the season (yellowish-green during summer to pinkish-brown in winter) and they also have red composite eyes. The psyllid overwinters as the adult stage.
Dissemination	Natural spread of the pest is probably limited, but no data is available on this. Over long distances, trade of <i>Albizzia</i> plants can ensure pest dissemination. <i>A. jamatonica</i> was intercepted once by United Kingdom in 2003 on <i>A. julibrissin</i> in containers originating from Italy (see EPPO RS 2003/175), thus demonstrating that this pathway exists.
Pathway	Plants for planting of <i>Albizzia</i> from countries where <i>A. jamatonica</i> occurs.
Possible risks	In Southern Europe, <i>Albizzia julibrissin</i> is widely planted as an ornamental shade tree in private and public gardens, as well as along roads or in car parks, as it is a robust species with rapid growth. Control of this pest is likely to be difficult in practice. Insecticides can be used but several applications are necessary to control the overlapping generations. In addition, treatments are difficult to perform on amenity trees in urban environment where only a limited number of active substances are authorized. Several species of natural enemies (Coccinellid and Anthocorid predators) have been identified, and studies are being done on their possible release. In Europe, although no tree death has so far been reported, serious damage (leaf yellowing, defoliation) is observed on <i>Albizzia</i> . <i>A. jamatonica</i> could present a risk to amenity trees in urban environments and to nurseries.
Source(s)	Alma, A.; Tedeschi, R.; Rossi, J.; (2002) [<i>Acizzia jamatonica</i> (Kuwayama) a new psyllid for Europe (Homoptera Psyllidae).] <i>Informatore Fitopatologico</i> , no. 4, 64-65. Anonymous (2003) <i>Bolletino fitosanitario</i> no. 15, 2 pp. Servizio fitosanitario cantonale, Bellinzona (CH). http://www.ti.ch/DFE/DE/SezA/temi_02/pubblicazioni/fito/2003/bof1503.pdf Chapin E, Cocquemot (2005) Psylle de l'Albizia : 1 ^{ers} signalements en France. <i>PHM-Revue Horticole</i> , no. 467, 49-52. Pellizzari G, Mori N, Galbero G, Antonucci C (2005) Risultati di due anni di sperimentazione contro la Psilla dell'Albizia, <i>Acizzia jamatonica</i> (Kuwayama). <i>Informatore Fitopatologico</i> 11, 33-39. Personal communication with Prof. G. Pellizzari, Università di Padova, IT, 2005-01.

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NPPO of France, 2004-10.

EPPO RS 2004/153, 2004/165, 2006/006, 2006/007

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