

New aphid (Aphidoidea) records for the Netherlands (1984–2005)

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Abstract: Presented are 18 species of aphids in combination with their food-plants found in The Netherlands from 1984 to 2005 not earlier described here. Among these are well-known species that are caught with the high suction trap and/or MOERICKE yellow water traps and aphids new for The Netherlands. The taxa new for The Netherlands are: *Aphis nerii*, *Appendiseta robiniae*, *Myzocallis walshii*, *Myzus persicae nicotianae*, *Takecallis arundicolens* and *Takecallis arundinariae*. The aphid-host plant association *Aphis nasturtii* + *Aesculus hippocastanum* is the first observation at all as far as I know (BLACKMAN & EASTOP 1994). Some of these species are restricted to warmer regions but are able now to survive in Western Europe. This could be related to higher temperatures and/or milder winters in Western Europe in the last decade.

Key words: Sternorrhyncha, Aphidoidea, food-plant, global warming, virus transmission, new records, aphid-host plant association

Introduction

The aphid observations mentioned in this paper were done by VAN FRANKENHUYZEN (Wageningen), PONSEN (Wageningen) and the author himself. Most observations by VAN FRANKENHUYZEN were made on his trips through the surroundings of Wageningen to make photographs for his books on insects (VAN FRANKENHUYZEN 1992, 1996). However, not all the species they found I did see, in that case the description is from literature.