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FAUNISTIC RECORDS FROM THE CZECH REPUBLIC – 523

Hemiptera: Heteroptera: Miridae

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Nesidiocoris tenuis (Reuter, 1895). Moravia bor., Dolní Lutyně (6076), 8.vii.2021, 1 ♀, V. Psota leg., K. Hradil det. et coll.

Sweep sampling took place in the immediate vicinity of a commercial greenhouse with year-round tomato growing. It is probable that the population of *N. tenuis* is mostly linked to the relatively stable indoor climate of the greenhouse throughout the year. Its survival and spread outside the greenhouse in the conditions of the temperate climate of the Czech Republic is limited only to temperature-favorable months, especially in spring and summer. Its spread and he permanent establishment of a population is hardly likely. We classify it as alien species with only casual outdoor occurrence. A similar opinion was reached by Hughes et al. (2009, 2010).

Nesidiocoris tenuis is originally a paleotropical species, native to the Ethiopian or Oriental Region, today having an almost cosmopolitan distribution due to global trade. This species has been reported from Europe, the Middle and Far East, Africa, North and South America, the Caribbean, Australia and the Pacific Islands. Published records from Europe are as follows: 1) indoor finds – Belgium, Finland, France, The Netherlands, and Portugal; 2) outdoor findings – Canary Islands, Greece (incl. Crete), Italy, Madeira, Malta, and Spain (incl. the Balearics). In Asia it is known from Armenia, Cambodia, China (Northern and Central Territory), Cyprus, India, Iran, Iraq, Israel, Japan, Java, Jordan, Korea, Myanmar, Nepal, Philippines, Russia (Far East), Saudi Arabia, Sri Lanka, Sumatra, Syria, Taiwan, Thailand, Turkey (Asian part), the United Arab Emirates and Yemen; in Africa it is known from Algeria, Cape Verde, Democratic Republic of the Congo, Egypt, Libya, Morocco, Reunion, Rodriguez, Senegal, South Africa, Sudan, Tunisia, and Uganda. In America and in the Caribbean Region it is known from Colombia, Cuba, Haiti, Mexico, Nicaragua, Puerto Rico, United States (California, Florida, New Mexico, and Texas), and Venezuela. This species is also known from Australia and the Pacific, specifically from: Carolina Islands, Fiji, Palau, and Mariana Islands (Guam) (Oshanin 1912, Carvalho 1958, Gravestein 1978, Tamanini 1981, Malausa & Ehanno 1988, Goula 1993, Aukema & Rieger 1999, Rieger 2007, Vänninen et al. 2011, Sridhar et al. 2012, Aukema et al. 2013, Sylla et al. 2016, Pineda et al. 2017, Yasunaga, 2017, Garantonakis et al. 2018, Sanchez & Cassis 2018, Moerkens et al. 2020).

In the Mediterranean, *N. tenuis* is often used in biological control systems against pests such as lepidopterans *Scrobipalpa aptatella* (Walker, 1864), *Tuta absoluta* (Meyrick, 1917),

Helicoverpa spp., and *Spodoptera* spp., whiteflies, thrips, aphids and spider mites (Bhatt & Patel 2018). It is often spread to new places in the seedling trade.

Nesidiocoris tenuis is a zoophytophagous species, it has been found in *Nicotiana* sp., *Lycopersicon esculentum, Solanum melongena*, *Solanum tuberosum* (all Solanaceae), *Dicoria canescens*, *Lactuca sativa* (both Asteraceae), *Lagenaria siceraria* (Cucurbitaceae), *Paulownia* sp. (Paulowniaceae), *Sesamum indicum* (Pedaliaceae), and other associated plants of the families Asteraceae, Brassicaceae, Capparaceae, Cleomaceae, Cucurbitaceae, Ericaceae, Euphorbiaceae, Fabaceae, Lamiaceae, Malvaceae, Onagraceae, Pedeliaceae, Polemoniaceae, Rutaceae, Scrophulariaceae, Solanaceae, and Verbenaceae (Wheeler & Henry 1992, Kim et al. 2016, Yasunaga 2017, Bhatt & Patel 2018). New species for the Czech Republic.

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Fig. 1. Adult of *Nesidiocoris tenuis* (Reuter, 1895) from Dolní Lutyně, 8.vii.2021. Photograph by K. Hradil.
Obr. 1. Dospělec druhu *Nesidiocoris tenuis* (Reuter, 1895) z lokality Dolní Lutyně, 8.VII.2021. Fotografie K. Hradil.