

Correspondence

New Zealand records of *Carpoglyphus lactis* (Acari: Carpoglyphidae)

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The Carpoglyphidae is a small family of two genera and six species (Schatz *et al.* 2011) and five of the species are in the genus *Carpoglyphus* (Clark *et al.* 2010). The dried fruit mite, *Carpoglyphus lactis* L., has received renewed interest in recent years due to its role as an alternative food for predatory mites in the Phytoseiidae that are used in biological control (Baxter *et al.* 2011). In New Zealand, there has been interest by the biocontrol industry to import this species into New Zealand for mass-rearing of predatory mites. However, there has been some confusion about the presence of this species in New Zealand. In this short note, I clarify its nomenclatural status and also its New Zealand records.

Nomenclatural status. This species was credited to Linnaeus, 1758 by many authors (e.g. Hughes 1976; Fain & Rack 1987; Hubard & Fashing 1996; Fan *et al.* 2010), and also to Linnaeus 1767 by others (Halliday 1998; Sirvid *et al.* 2011). A check of the original texts of Linnaeus (1758, 1767) confirms that it is the latter (see Fig. 1 below).

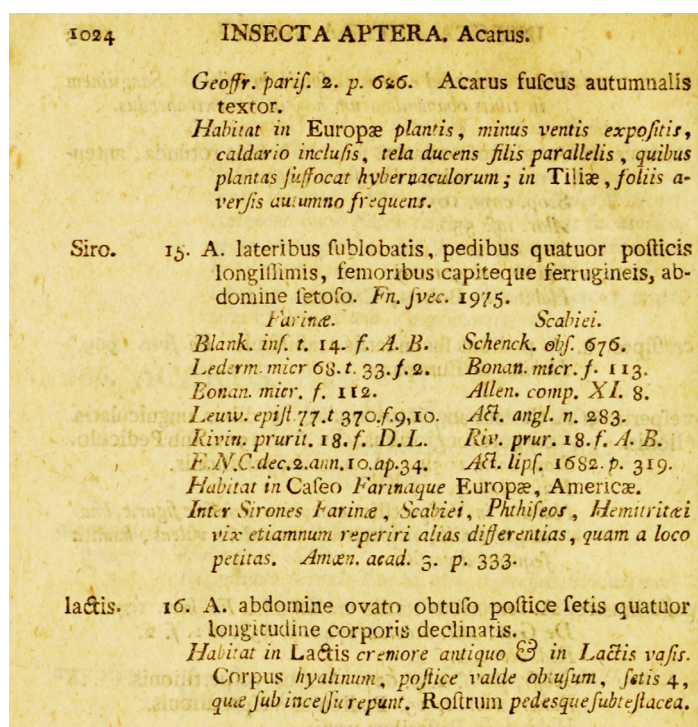


FIGURE 1. Page 1024 of Linnaeus 1767 where *Acarus lactis* was described after *Acarus siro* (see full open-access book <http://biodiversitylibrary.org/bibliography/37256>).

New Zealand records. The first record of *Carpoglyphus* is for an unnamed species (Findlay 1921). Spain and Luxton's (1971) mite catalogue of the New Zealand subregion missed this early record, but included an unidentified species of this genus from Macquarie Island (Watson 1967). Nomenclatural reference book (Ramsay 1980) and text book (Waller 1984) list *C. lactis* from New Zealand, although these records are neither referenced to primary literature, nor linked to voucher specimens. Fan and Zhang (2007: 62 & 66) gave the first verified