

# Liothrips monoensis

## Distinguishing features

This species has not been studied by the present authors, and is known only from the original description based on a single female from *Purshia tridentata* near Mono Craters.

## Related species

With almost 280 described species, *Liothrips* is one of the three largest genera of Thysanoptera. However, in comparison to both *Thrips* and *Haplothrips* it involves far greater problems for species recognition and systematics. A particularly high proportion of the described species are known from single samples, or even single individuals, resulting in little knowledge of host relationships or of structural variation within and between species. The single specimen on which *L. monoensis* was based was stated to be "very close to" *L. ilex*, but to have the sensorium on antennal segment II closer to the apex of this segment, a difference that is possibly related to the quality of the slide mount. The general assumption that most members of the genus are host-specific requires validation. Stannard (1957) listed 32 species of *Liothrips* from North America, and subsequently (Stannard, 1968) included 14 of these in his keys to the Illinois fauna. Cott (1956) treated 11 species from California, including two that he placed in *Rhynchothrips*, but currently from this State there are 13 *Liothrips* species listed (Hoddle *et al.*, 2004) of which several cannot at present be recognized.

## Biological data

Presumably breeding on leaves, but described only from a single female taken from *Purshia tridentata* [Rosaceae].

## Distribution data

Described from California.

## Family name

PHLAEOTHIRIPIDAE, PHLAEOTHIRIPINAE

## Species name

*Liothrips monoensis* Kono

## Original name and synonyms

*Liothrips monoensis* Kono, 1964: 6-8

## References

Cott HE (1956) Systematics of the suborder Tubulifera (Thysanoptera) in California. *University of California, Berkeley, Publications in Entomology* 13: 1–216.

Hoddle M, Mound LA & Nakahara S (2004) Thysanoptera recorded from California, USA: a checklist. *Florida Entomologist* 87: 317–323.

Stannard LJ (1957) The phylogeny and classification of the North American genera of the sub-order Tubulifera (Thysanoptera). *Illinois Biological Monographs* 25: 1–200.

Stannard LJ (1968) The Thrips, or Thysanoptera, of Illinois. *Bulletin of the Illinois Natural History Survey* 29: 213–552.