

Leptothrips mcconnelli

Distinguishing features

This species is structurally similar to *mali*, but has only three sense cones on the fourth antennal segment, a character state shared with *papago*.

Related species

The genus *Leptothrips* is related to *Haplothrips*, but the metanotal sculpture is closely striate not reticulate, and larvae and adults usually have extensive purple internal pigment. Currently, 30 species are listed under *Leptothrips*, all from the Americas. Johansen (1987) described 22 new species in the genus, with 11 *Leptothrips* recorded from California. However, Mound & O'Donnell (2017) placed nine species into synonymy and recognised only 15 *Leptothrips* species from North America of which nine are reported from California. Although at one time placed as a synonym of *mali*, Mound & O'Donnell (2017) recognised *mcconnelli* as valid due to the presence of only three sense cones on antennal segment IV.



Head & pronotum

Biological data

Female holotype of *primigenus* was collected from *Ceanothus integerrimus*, with further specimens collected in Mexico from various plants. Most specimens identified as *mcconnelli* have been collected from the leaves of various deciduous trees.

Distribution data

Described from Mexico, specimens identified as *mcconnelli* have been seen from Alaska, Arizona, Colorado, Texas, Utah, Idaho and California.

Family name

PHLAEOTHIRIPIDAE, PHLAEOTHIRIPINAE

Species name

Leptothrips mcconnelli (Crawford DL)

Original name and synonyms

Liothrips mcconnelli Crawford DL, 1910: 163.

Leptothrips primigenus Johansen, 1987: 72.

References

Johansen RM (1987) El genero *Leptothrips* Hood, 1909 (Thysanoptera: Phlaeothripidae) en el continente Americano: su sistematica, filogenia, biogeografia, biologia, conducta y ecologia. *Monografias del Instituto de Biologia. Universidad Nacional de Mexico* **3**: 1–246.

Mound LA & O'Donnell CA (2017) Predation, phytophagy and character state confusion among North American species of the genus *Leptothrips* (Thysanoptera: Phlaeothripinae). *Zootaxa* **4294** (3): 301-315.