

Nesothrips doulli

Distinguishing features

Female fully winged or with wings variably short to micropterous. Body brown, antennal segment III yellow at extreme base; fore wings weakly shaded, darker at base. Head longer than tube; compound eyes as large dorsally as ventrally; postocular setae as long as distance between their bases; ocellar setae as long as distance between posterior ocelli, arising between or slightly behind them; maxillary stylets reaching more than halfway into head. Antennal segment III slightly longer than IV; segment III with 2 sense cones, IV with 4. Metanotum broad, with faint lines of sculpture laterally and a pair of setae medially. Fore tarsal tooth small. Fore wings variable in length, with 3 major sub-basal setae, S3 the longest; 5 duplicated cilia on fully developed wing. Pelta with broad lateral lobes, without small setae laterally on median lobe; tergites III–VI with curved wing-retaining setae; tergite IX posteromarginal setae about half as long as tube, with S1 and S2 subequal in length; anal setae nearly as long as tube. Male micropterous, similar to but sometimes smaller than female; fore tarsal tooth large.

Related species

The genus *Nesothrips* includes 31 species, of which 6 are endemic to New Zealand, 13 are from Australia, 9 described from various Pacific islands, and 3 from southeast Asia. *Nesothrips* species usually have a rather short head, with a pair of setae between the hind ocelli, and the maxillary stylets wide apart. *N. doulli* is one of the species in this genus with the head slightly

longer than wide. As in *N. eastopi*, the fore wings are remarkably variable in length, and the species does not exist as a discrete series of wing-morphs.

Biological data

Feeding on fungal spores on a dead walnut twig, and under *Cytisus* bark.

Distribution data

Known only from New Zealand (BP / SD, MC).

Family name

PHLAEOTHIRIPIDAE, IDOLOTHRIPINAE

Species name

Nesothrips doulli (Mound)

Original name and synonyms

Rhaebothrips doulli Mound, 1974: 171

References

Mound LA & Palmer JM (1983) The generic and tribal classification of spore-feeding Thysanoptera (Phlaeothripidae: Idolothripinae). *Bulletin of the British Museum (Natural History)*. Entomology **46**: 1–174.

Mound LA & Walker AK (1986) Tubulifera (Insecta: Thysanoptera). *Fauna of New Zealand* **10**: 1–140.



Antenna



Head, thorax & pelta