

Nesothrips rangi

Distinguishing features

Female fully winged (or micropterous). Body dark brown, darkest on head and tube; legs dark; extreme apices of femora and bases of tibiae yellow; fore tibiae yellowish-brown; all tarsi paler. Antennae variable, segments I and VI–VIII dark brown, II variably yellow at apex, III yellow with apex more or less brown; IV yellow in proximal half but sometimes pale brown; V with pedicel yellow or uniformly brown; major setae dark brown; fore wings dark at base, weakly shaded distally. Head almost as wide as long, longer than tube; compound eyes as large dorsally as ventrally; postocular setae shorter than distance between their bases; ocellar setae as long as distance between posterior ocelli, arising between them; maxillary stylets retracted halfway into head. Antennal segments III and IV subequal in length; segment III with 2 sense cones, IV with 4. Metanotum broad, with a reticulate pattern, and with 1 pair of setae medially. Fore tarsal tooth absent. Fore wings with 3 major sub-basal setae, S1 and S3 equal in length, with 5–11 duplicated wing cilia; micropterae with wing buds varying in length and bearing 2 long setae. Pelta broad, without small setae laterally on median lobe; tergites II–VII with curved or sigmoid wing-retaining setae; tergite IX posteromarginal setae more than half as long as tube; tube margins weakly convex in distal third. Male microptera similar to female, but usually smaller; fore tarsal tooth present.

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. rangi* is intermediate in structure between the forms with long or short heads, in that the head is relatively broad but the ocellar setae arise between the posterior ocelli.

Biological data

Spore-feeding at the base of tussocks of grasses or *Juncus* sp., and apparently associated with damp areas.

Distribution data

Known only from New Zealand (AK, BP / NN, MB, BR, CO, SL).

Family name

PHLAEOTHRIPIDAE, IDOLOTHRIPINAE

Species name

Nesothrips rangi Mound & Palmer

Original name and synonyms

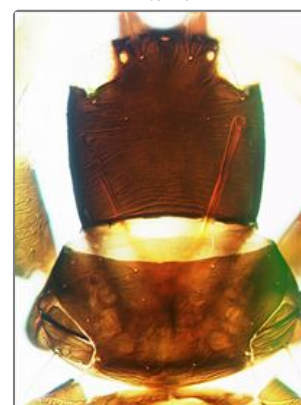
Nesothrips rangi Mound & Palmer, 1983: 48

References

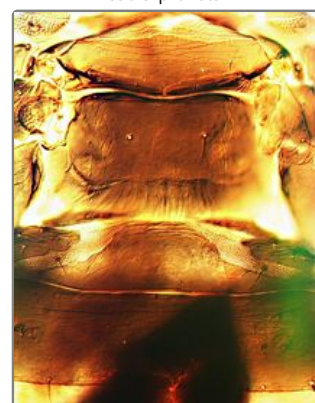
- Mound LA & Palmer JM (1983) The generic and tribal classification of spore-feeding Thysanoptera (Phlaeothripidae: Idolothripinae). *Bulletin of the British Museum (Natural History)*. Entomology **46**: 1–174.
Mound LA & Walker AK (1986) Tubulifera (Insecta: Thysanoptera). *Fauna of New Zealand* **10**: 1–140.



Antenna



Head & pronotum



Meso & metanotum, pelta & tergite II

