

Neohydatothrips



Generic diagnosis

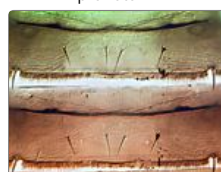
Female macropterous (rarely micropterous). Head wider than long; ocellar setae pair I present, three pairs of postocular setae; maxillary palps 3-segmented. Antennae 8-segmented (rarely 7), segment I without paired dorso-apical setae, III and IV with sense-cones forked; III–VI with microtrichial rows on both surfaces; VIII with sense cone base very long and narrow. Pronotum wider than long with median blotch; one pair of long posteroangular setae. Mesonotum median pair of setae near middle; anteromedian campaniform sensilla absent. Metanotal sculpture variable; median pair of setae at or close to anterior margin; campaniform sensilla absent. Fore wing first vein setal row complete; second vein with 0–2 distal setae; clavus with four veinal and one discal setae; posteromarginal fringe cilia wavy. Prosternal ferna undivided; basantra membranous and without setae.

Mesosternal endofurca with spinula; metasternal endofurca with or without spinula; metasternal internal plate with anterior margin varied, transverse to slightly concave. Legs fully covered with microtrichia, tarsi 2-segmented. Tergites without ctenidia, craspedum present or absent, dense microtrichia present on lateral thirds; II–VIII with median setae longer than distance between their bases; VIII with complete comb on posterior margin; IX without anterior campaniform sensilla, with more than one pair MD setae; X median split absent. Sternites with microtrichia at least on lateral thirds, without discal setae; craspedum present or absent, sternites III–VII with 3 pairs of posteromarginal setae, II with 2 pairs; VII with all setae in front of posterior margin.

Male similar to female but smaller; sternites without pore plates or with pore plate on III–VII.



Female

*Neohydatothrips samayunkur* head & pronotum*Neohydatothrips flavicingulus* head & pronotum*Neohydatothrips gracilicornis* head and thorax*Neohydatothrips gracilicornis* tergites III-IV*Neohydatothrips magnoliae* head and pronotum*Neohydatothrips magnoliae* metasternum*Neohydatothrips magnoliae* female

Biological data

Larvae of *Neohydatothrips* species are found both in flowers and on leaves.

Distribution data

Members of this genus are found worldwide (Lima & Mound, 2016b), and in China there are species of *Neohydatothrips* in both the temperate and sub-tropical areas.

Nomenclatural data

Neohydatothrips John, 1929: 33. Type species *Neohydatothrips latereostriatus* John, 1929, by monotypy, synonym of *Sericothrips portoricensis* Morgan, 1925.

This genus comprises 118 species worldwide (ThripsWiki, 2020), and the following 12 species have been recorded from

China:

concaus Mirab-balou, Tong & Yang, 2013: 187.
elaeagni (Kudo, 1991: 535). (*Hydatothrips*: *Neohydatothrips*)
epipactis (Kurosawa, 1941: 548). (*Sericothrips*)
flavicingulus Mirab-balou, Tong & Yang, 2013: 187.
gracilicornis (Williams, 1916: 222). (*Sericothrips*)
gracilipes (Hood, 1924: 149). (*Sericothrips*)
luteolipes Mirab-balou, Tong & Yang, 2013: 193.
magnoliae Zhang, Xie & Li, 2012: 62.
medius Wang, 1994: 257.
plynopygus (Karny, 1925: 29). (*Anaphothrips*)
samayunkur (Kudo, 1995: 169). (*Hydatothrips*: *Neohydatothrips*)
surrufus Wang, 2007: 65.
tabulifer (Priesner, 1935: 351). (*Sericothrips*)
tadzhicus (Pelikan, 1964: 228). (*Sericothrips*)
trypherus Han, 1991: 451.
xestosternitus (Han & Cui, 1991: 1). (*Kazinothrips*)

Relationship data

Thripidae sub-family Sericothripinae: *Neohydatothrips* is one of only three genera now recognised in this group (Lima & Mound, 2016a). In contrast, more than 10 further genera have been proposed in this group but are now placed in synonymy (ThripsWiki, 2018). All species of *Neohydatothrips* have the internal metathoracic plate with the anterior margin almost transverse, in contrast to species of *Hydatothrips*.

References

- Lima EFB & Mound LA (2016a) Systematic relationships of the Thripidae subfamily Sericothripinae (Insecta: Thysanoptera). *Zoologischer Anzeiger* 263: 24–32.
- Lima EFB & Mound LA (2016b) Species-richness in Neotropical Sericothripinae (Thysanoptera: Thripidae) *Zootaxa* 4162 (1): 1–45.
- ThripsWiki (2020) *ThripsWiki - providing information on the World's thrips*. <http://thrips.info/wiki/Main_Page>