

# Hydatothrips

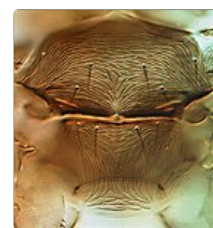


## Generic diagnosis

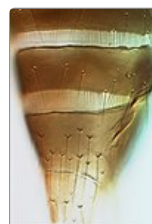
Female macropterous. Head wider than long; ocellar setae pair I present, three pairs of postocular setae; maxillary palps 3-segmented. Antennae usually 8-segmented (rarely 7), segment I without paired dorso-apical setae, III and IV with sense-cones forked; III–VI with microtrichial rows on both surfaces; 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 wings fully developed; first vein setal row complete; second vein with 0–2 distal setae; clavus with 4–5 veinal and one discal setae; posteromarginal fringe cilia wavy. Prosternal ferna undivided; basantra membranous and without setae. Mesosternal endofurca with spinula; metasternal endofurca without spinula; metasternal internal plate with anterior margin V-shaped. Legs fully covered with microtrichia, tarsi 2-segmented. Tergites without ctenidia, craspedum present or absent; dense microtrichial rows 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, more than one pair of 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 V–VII.



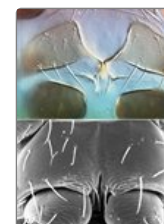
*heteraureus* antenna



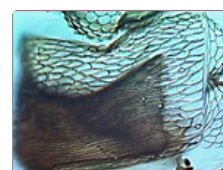
*heteraureus* meso & metanota



*heteraureus* tergites VII–X



*argenticinctus* metasternum  
[transmitted light & SEM]



*heteraureus* pronotum

## Biological data

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

## Distribution data

Members of this genus are found throughout the tropics, south to Australia, but with none in Europe or North America (Lima & Mound, 2016b). In China the 13 known species are recorded mainly from the southern, sub-tropical parts of the country.

## Nomenclatural data

*Hydatothrips* Karny, 1913. Type species *Hydatothrips adolfriderici* Karny.

This genus comprises 43 species worldwide (ThripsWiki, 2020), of which the following 13 have been recorded from China:

*abdominalis* (Kurosawa, 1937: 115). (*Sericothrips*)

*aureus* Bhatti, 1973: 420.

*boerhaaviae* Seshadri & Ananthakrishnan, 1954: 210. (*Sericothrips*: *Hydatothrips*) *chinensis* Chou & Feng, 1990: 10.

*dentatus* (Steinweden & Moulton, 1930: 20). (*Sericothrips*)  
*ekasi* Kudo, 1991: 520.  
*flavidus* Wang 2007: 53.  
*funiuensis* Duan, 1998: 57.  
*heteraureus* Han, 1990: 119.  
*liquidambara* Chen, 1977: 145.  
*longjingensis* Mirab-balou, Hu, Feng & Chen, 2011: 57.  
*meriposa* Wang 2007: 56.  
*noro* Kudo, 1997: 355.  
*onari* Kudo, 1997: 329.  
*ormosiae* Mirab-Balou, Yang & Tong, 2013: 78.  
*proximus* Bhatti, 1973: 426.

## Relationship data

Thripidae sub-family Sericothripinae: *Hydatothrips* 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, 2020). All species of *Hydatothrips* have the internal metathoracic plate with the anterior margin deeply emarginate, U- or V-shaped, in contrast to species of *Neohydatothrips*. This plate is seen clearly by transmitted light, but SEM images reveal that it is internal, not on the surface.

## 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](http://thrips.info/wiki/Main_Page)>