

# Sericothrips



## Generic diagnosis

Female macropterous or micropterous. Head wider than long; ocellar setae pair I present, three pairs of postocular setae; maxillary palps 3-segmented. Antennae 8-segmented, segment I without paired dorso-apical setae, III and IV with sense-cones forked; III–VI with microtrichial rows on both surfaces. Pronotum wider than long with median blotch; one pair of long posteroangular setae. Mesonotum median pair of setae near middle; anteromedian campaniform sensilla absent. Metanotum with transverse striae and bearing rows of microtrichia; median pair of setae behind anterior margin; campaniform sensilla absent. Fore wings with 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 without spinula; metasternal internal plate with anterior margin transverse to slightly concave. Legs fully covered with microtrichia, tarsi 2-segmented. Tergites entirely covered with microtrichial rows, without ctenidia, postero-marginal craspedum present; with four pairs of stout discal setae in transverse row (rarely as in *kaszabi* with setae S3 arising on or close to posterior margin); VIII with complete comb on posterior margin; IX without anterior campaniform sensilla, with more than one pair MD setae; X without median split. Sternites with covered with microtrichial rows, without discal setae; craspedum present; 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, abdominal sternites IV–VII with pore plate.



*Sericothrips kaszabi* female



*Sericothrips kaszabi* tergites V–VI



*Sericothrips kaszabi* metanotum

## Biological data

The species in this genus appear to be associated with the foliage of species of Fabaceae.

## Distribution data

The species in this genus appear to be restricted to the northern hemisphere temperate zone (Lima & Mound, 2016b). The synonymy of two species described from China is given by Evdokarova & Vierbergen (2018), and Mirab-balou *et al.* (2013) indicated that an earlier record of the North American species *cingulatus* was based on a misidentification.

## Nomenclatural data

*Sericothrips* Haliday, 1836: 83. Type species *Sericothrips staphylinus* Haliday, 1836, by monotypy.

This genus comprises eight species (ThripsWiki, 2020), but only one is known from China:

*kaszabi* Pelikan, 1984: 112.

## Relationship data

Thripidae sub-family Sericothripinae: *Sericothrips* 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 the group but are now placed in synonymy (ThripsWiki, 2020). Species of *Sericothrips* differ from those in the other two genera in exhibiting character

states associated with wing reduction, particularly the complete microtrichial cover of the abdominal tergites.

## References

Evdokarova TG & Vierbergen G (2018) The first record of *Sericothrips kaszabi* Pelikan, 1984 (Thysanoptera, Thripidae) from Russia. *Entomological Review* **98** (2): 192–196.

Lima EFB & Mound LA (2016a) Systematic relationships of the Thripidae subfamily Sericothripinae (Insecta: Thysanoptera). *Zoologischer Anzeiger* **263**: 24–32.

Mirab-balou M, Minoura K & Tong XL (2013) A new synonym of *Sericothrips* from China & Japan (Thysanoptera: Thripidae). *Zootaxa* **3620** (3): 481–482.

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)>