

Oxythrips

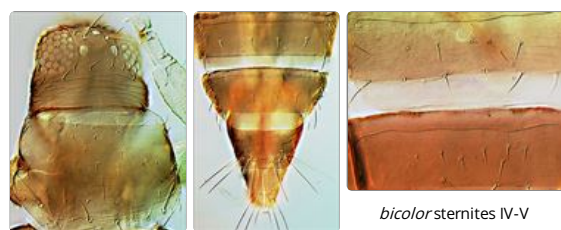


Generic diagnosis

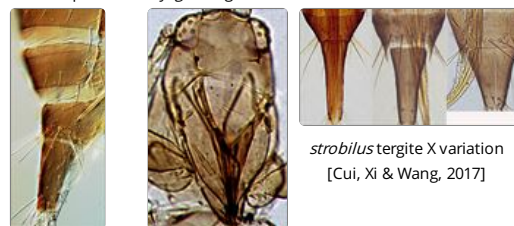
Female macropterous. Head wider than long, mouth-cone often elongate; maxillary palps 3-segmented; eyes with six pigmented facets; ocellar setae I present, setae III moderately large; four pairs of postocular setae in transverse row. Antennae 8-segmented, segment I without paired dorso-apical setae, III and IV with sense-cones forked, III–VI with some microtrichial rows on both surfaces. Pronotum with one pair of posteroangular setae. Mesonotum with median pair of setae far from posterior margin; campaniform sensilla present. Metanotum reticulate; median pair of setae far from anterior margin; campaniform sensilla present. Fore wing first vein with setal row irregularly spaced, second vein with many irregular spaced setae; clavus with five veinal and one discal setae; posteromarginal fringe cilia wavy.

Prosternal ferna weakly divided medially; basantra membranous, without setae; prospinasternum broad and transverse. Mesosternum with sternopleural sutures reaching anterior margin; endofurca with spinula. Metasternal endofurca without spinula. Tarsi 2-segmented; fore tibiae often with tubercles at inner apex and stout setae. Tergites without ctenidia or craspeda; VIII without posteromarginal comb; IX with two pairs of campaniform sensilla, MD setae small; X with median split distally. Sternites with or without discal setae; sternites sometimes with one or more pore plates; VII with S1 setae in front of posterior margin; laterotergites without discal setae.

Male often with one pore plate on III–VI.



ajugae head & pronotum *ajugae* tergites VII-X



bicolor abdomen VII-X *strobilus* mouth cone

strobilus tergite X variation
[Cui, Xi & Wang, 2017]

Biological data

Several species in this genus are recorded as breeding only within the male cones of species in the genera *Pinus* [Pinaceae] and *Juniperus* [Cupressaceae], although some European species are recorded from leaves of *Quercus* [Fagaceae] and *Fraxinus* [Oleaceae]. In contrast, one species in Australia breeds in the flowers of *Normanbyia* [Palmae], and another member of the genus is known to breed on the leaves of *Cannabis* [Cannabidaceae].

Distribution data

Species placed in the genus *Oxythrips* are recorded widely around the world.

Nomenclatural data

Oxythrips Uzel, 1895: 133. Type species *Oxythrips jugae* Uzel, 1895, by subsequent designation, Hood, 1916: 37.

Chilothrips Hood, 1916: 119. Type species *Chilothrips pini* Hood, 1916, by monotypy. Synonymised by Zhang *et al.* 2018: 376

With the transfer of seven species from *Chilothrips* resulting from the synonymy indicated above, there are now about 45 species from around the world listed in this genus (ThripsWiki, 2020), of which four are recorded from China:

hangzhouensis (Hu & Feng, 2015: 251). (*Chilothrips*)

jiuxiensis (Mirab-balou Chen & Tong, 2012: 725). (*Chilothrips*)

strobilus (Tong & Zhang, 1994: 29). (*Chilothrips*)

ulmifoliorum (Haliday, 1836: 447). (*Thrips*)

Relationship data

Thripidae sub-family Thripinae: this is a diverse group involving more than 230 genera. *Oxythrips* is considered to be one of the 40 genera in the *Anaphothrips* complex, in which most species have no long setae on the pronotum (Masumoto & Okajima, 2017). Some of the species originally in the genus *Chilothrips* have abdominal tergite X unusually elongate, but this condition also occurs in the European species *Oxythrips bicolor*, and it is known to be variable in *Oxythrips strobilus* from China (Cui *et al.*, 2017).

References

Cui YZ, Xi JH & Wang J (2017) Female polymorphism in *Chilothrips strobilus* (Thysanoptera: Thripidae), with the first description of the male. *Zootaxa* **4358** (1): 193–196.

Masumoto M & Okajima S (2017) *Anaphothrips* genus-group: key to world genera, with two new species and three new records from Japan (Thysanoptera, Thripidae). *Zootaxa* **4272** (2): 201–220.

ThripsWiki (2020). *ThripsWiki - providing information on the World's thrips*. <http://thrips.info/wiki/Main_Page>

Zhang SM, Wang ZH, Li YJ & Mound LA (2018) One new species, two generic synonyms and eight new records of Thripidae from China (Thysanoptera). *Zootaxa* **4418** (4): 370–378.