

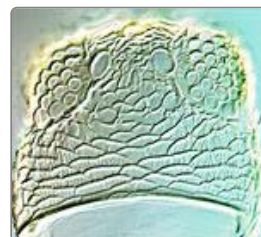
# Dictyothrips

## Generic diagnosis

Female macropterous. Head wider than long, reticulate with markings inside the reticles; maxillary palps 3-segmented; eyes with six weakly pigmented facets; ocellar setae I present; setae III between the posterior ocelli and shorter than diameter of an ocellus; four or five pairs of postocular setae. Antennae 8-segmented, segment I without paired dorso-apical setae, III and IV with short forked sense-cones, III–VI with prominent rows of microtrichia on both surfaces, VI constricted sharply to basal pedicel. Pronotum reticulate, all setae small; six pairs of posteromarginal setae. Mesonotum with anteromedian campaniform sensilla; median setal pair far from posterior margin. Metanotum reticulate, median setae small and behind anterior margin; campaniform sensilla present. Fore wing veins with setae small and widely spaced; clavus with four veinal and one discal setae; posteromarginal fringe cilia wavy. Prosternal ferna weakly divided; basantra membranous, without setae; prospinasternum broad and transverse. Mesosternum with sternopleural sutures complete; endofurca with spinula. Metasternal endofurca without spinula. Tarsi 2-segmented. Tergites reticulate, II–VIII with translucent craspedum, S1 setae small and not close together; IX with two pairs of campaniform sensilla, marginal setae stout and shorter than tergite length; X with complete split. Sternites II–VI with one to five irregularly arranged discal setae; craspeda absent; III–VII with three pairs of marginal setae, II with two pairs, S1 on VII arising in front of margin. Male similar to female; tergite IX without stout setae medially; sternites III–VIII with small circular pore plate medially.



*betae* antenna



*betae* head



*betae* pro, meso & metanota



*betae* tergites VII-X



*betae* tergites V-VI



*betae* sternite VII

## Relationship data

Thripidae sub-family Thripinae: this is a diverse group involving more than 230 genera. *Dictyothrips* is unusual amongst the 40 genera that comprise the *Anaphothrips* complex in that the only species has a craspedum on tergites II–VIII and a few discal setae medially on the sternites.

## Biological data

Collected from various herbaceous plants, and reported to be a vector of a tospovirus on *Polygonum* spp. [Polygonaceae] in Italy (Ciuffo *et al.*, 2010).

## Distribution data

Recorded in Europe from northern Italy to Denmark and eastwards to Siberia (zur Strassen, 2003), and also from Inner Mongolia in China (Zhang *et al.*, 2018).

## Nomenclatural data

*Dictyothrips* Uzel, 1895: 157. Type species *Dictyothrips betae* Uzel, 1895, by monotypy.

Only one species is known in this genus (ThripsWiki, 2018), and this was found recently in northern China.

*betae* Uzel, 1895: 158.

## References

- Ciuffo M, Mautino GC, Bosco L, Turina M & Tavella L (2010) Identification of *Dictyothrips betae* as the vector of *Polygonum* ring spot virus. *Annals of Applied Biology* **157**: 299–307.
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- zur Strassen R (2003) Die terebranten Thysanopteren Europas und des Mittelmeer-Gebietes. *Die Tierwelt Deutschlands* **74**: 1–271.