

Thrips juniperinus

Distinguishing features

Both sexes fully winged. Body colour yellowish brown to light brown; tibiae and tarsi largely yellow; major setae brown, antennal segment III light brown, IV–VII brown; fore wings uniformly shaded. Antennae 7-segmented; III–IV each with forked sense cone. Head with 2 pairs of ocellar setae; pair III no longer than distance between 2 ocelli, arising just outside ocellar triangle; postocular setae pair I slightly longer than ocellar setae III. Pronotum with 2 pairs of posteroangular setae; posterior margin with 3 pairs of setae; discal area with widely spaced irregular transverse striae. Mesonotum with paired anterior campaniform sensilla; median setae arise well in front of posterior margin. Metanotum with irregular reticulation medially; median setae arising behind anterior margin; campaniform sensilla absent. Fore wing first vein with 3 setae on distal half; second vein with about 10 setae. Abdominal tergite II with 3 lateral marginal setae; tergites V–VIII with paired ctenidia, on VIII posteromesad to spiracles; tergite VIII posteromarginal comb absent medially, with several microtrichia laterally, discal setae S1 much smaller than S2; pleurotergites with no discal setae, sculpture lines with many ciliate microtrichia, posterior margin with microtrichia; tergite IX with 2 pairs of campaniform sensilla, X with median split. Sternites with no discal setae; sternite I with 2–3 very small setae near anterior margin; sternite VII setae S1 arise in front of margin.

Male smaller than female and yellow; tergite VIII with no posteromarginal comb; tergite IX median setae slender, pale in colour; sternites III–VI each with small slender transverse pore plate.

Related species

Thrips juniperinus appears to be a host-specific species that is related to the common polyphagous species *Thrips major*. It is distinguished from that species by the presence of 2 to 3 very small setae on sternite I. The genus *Thrips* is the second largest genus in the Thysanoptera, and currently includes, worldwide, over 300 species. All members of genus *Thrips* lack ocellar setae I on the head, and they all have ctenidia on tergite VIII posteromesad to the spiracles. Other characters, such as number of antennal segments, number of setae on the fore wing veins, and number of discal setae on the sternites are variable between species (Palmer, 1992; Nakahara, 1994; Mound & Masumoto, 2005).

Biological data

Feeding and breeding on the leaves of *Juniperus communis* [Cupressaceae].

Distribution data

Locally common in Scotland (Mound *et al.*, 1976), this species has been found widely in northern and eastern Europe, as well as Spain.

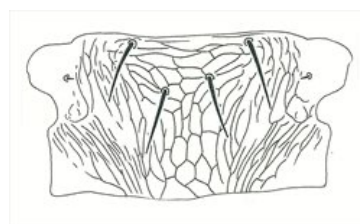
Family name

THRIPIDAE - THRIPINAE

Species name

Thrips juniperinus Linnaeus

Original name and synonyms



Metanotum



Female sternites II



Pleurotergites IV-V

Thrips juniperinus Linnaeus, 1758: 457
Thrips junipericola Morison, 1948: 63
Thrips carpathicus Knechtel, 1948: 480

References

- Mound LA & Masumoto M (2005) The genus *Thrips* (Thysanoptera, Thripidae) in Australia, New Caledonia and New Zealand. *Zootaxa* **1020**: 1–64.
- Mound LA, Morison GD, Pitkin BR & Palmer JM (1976) Thysanoptera. *Handbooks for the Identification of British Insects* **1** (11): 1–79.
- Nakahara S (1994) The genus *Thrips* Linnaeus (Thysanoptera: Thripidae) of the New World. *United States Department of Agriculture. Technical Bulletin* **1822**: 1–183.
- Palmer JM (1992) *Thrips* (Thysanoptera) from Pakistan to the Pacific: a review. *Bulletin of the British Museum (Natural History) Entomology Series* **61** (1): 1–76.