

# Acanthothrips nodicornis

## Distinguishing features

Both sexes fully winged. Body dark brown, abdominal tergites III–VIII anterolaterally with chalky-white areas; antennal segments III–V yellow at base; tarsi, also base and apex of mid and hind tibiae yellow; fore wing pale, sometimes with dark line medially on basal half. Antennae 8-segmented; segments III–VI constricted to apical neck; III & IV with 3 stout sense cones. Head longer than wide; cheeks with prominent bristle-bearing warts; eyes large; maxillary stylets long and close together medially; postocular setae capitate but small, posterior to inner margin of eyes; mouth cone extending across prosternum. Pronotum reticulate, 5 pairs of capitate major setae present; basantra absent. Fore tarsus with prominent tooth; fore femora with sub-apical tubercle on inner margin. Fore wings parallel sided. Pelta reticulate; tergite IX setae blunt at apex.

Male sternite VIII with median transverse pore plate.

## Related species

The genus *Acanthothrips* includes 13 species, of which one is Holarctic, one is from northern Europe, five are known only from North America, and six are from the Neotropics including Mexico. Priesner (1964) distinguished this genus from the worldwide genus *Hoplandrothrips* on the basis that the fore wings are parallel sided. Although this is true of *A. nodicornis*, the fore wings of *A. albivittatus* and *A. argentifer* are constricted medially at least as much as in some species of *Hoplandrothrips*. The antennae of *A. albivittatus* are uniformly dark, whereas the median antennal segments are largely yellow in the other two species recorded from California. Specimens of *A. argentifer* Cott have not been studied, but that species was described as being reticulate like *A. nodicornis*, but the females were "without a distinct tarsal tooth".

## Biological data

Breeding on dead branches and feeding on unidentified fungal hyphae.

## Distribution data

Widespread across the northern parts of the Holarctic Region.

## Family name

PHLAEOTHIRIPIDAE, PHLAEOTHIRIPINAE

## Species name

*Acanthothrips nodicornis* (Reuter)

## Original name and synonyms

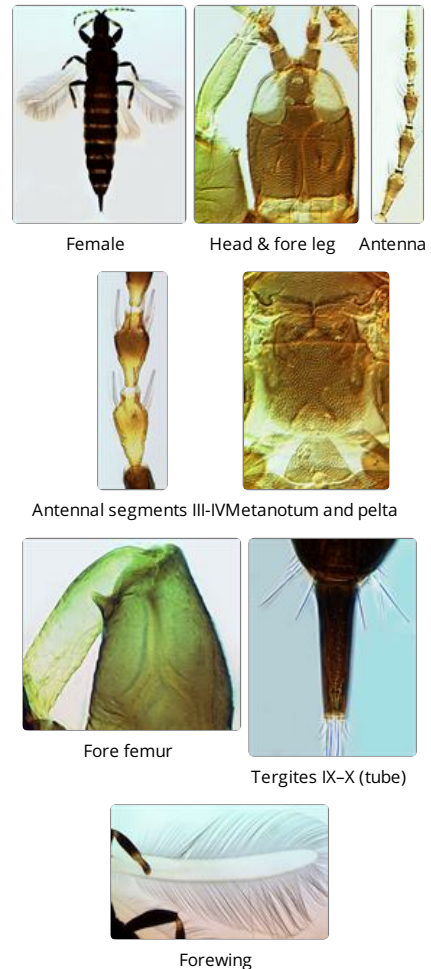
*Phloeothrips nodicornis* Reuter, 1880: 16

*Acanthothrips doaneii* Moulton, 1907: 64

*Machatothrips isshikii* Ishida, 1932: 7

*Acanthothrips americanus* Bagnall, 1933: 123.

## References



Cott HE (1956) Systematics of the suborder Tubulifera (Thysanoptera) in California. *University of California, Berkeley, Publications in Entomology* 13: 1–216.

Priesner H (1964) Ordnung Thysanoptera (Fransenflügler, Thripse). in Franz H, *Bestimmungsbücher zur Bodenfauna Europas* 2: 1–242. Akademie-Verlag.