

绢蓟马亚族一新属和新种

(缨翅目:蓟马科)

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本文记述了绢蓟马亚族 *Sericothripina* 一新属和新种。模式标本保存于中国科学院动物研究所。

近绢蓟马属 *Sussericothrips* Han 新属

本新属触角 8 节,节 III 和 IV 的感觉锥叉状。口锥较长。后头顶被脊线切割成一个宽的半月形后头区。前胸骨化板发达。后胸盾片与后胸小盾片愈合;后胸腹片有前缘线。腹部节 II—VII 背片中对鬃位置和大小近似,强如亚中对鬃(鬃 II);鬃 I. II. 和 IV. V. 着生在后缘之前,但鬃 III 着生在后缘上。节 I—VII 背片完全覆盖有微毛,背片节 I—VII 后缘梳毛相似而完全。腹片节 III—VII 各有后缘鬃 3 对,但节 VII 的后缘鬃位于后缘之前。

模式种 草木樨近绢蓟马 *Sussericothrips melilotus* Han, sp. nov.

本新属与 *Sericothrips* Haliday 近缘,但腹部节 II—VII 背片鬃 III 着生在后缘上可与后者区别。

草木樨近绢蓟马 *Sussericothrips melilotus* Han 新种(图 1—11)

雌虫(长翅型):体长 1.0—1.1 mm,体二色,除腹部节 III—VII 或 IV—VII 淡黄或黄色外,其余部分棕色。触角节 I—III (最端部略暗除外)淡黄至黄色。前翅近基部淡黄色,其余(包括翅瓣 $\frac{1}{5}$)暗黄色。各足棕色,但股节、胫节的基部黄色。体鬃与所在部位同色。

头宽于长,短于前胸,长 100 μm (量度单位下同),后缘宽 189。眼后一条弧线把后部切割成半月形后头区。眼间线纹中有细颗粒,眼后有众多横纹。前单眼前鬃长 30,前侧鬃在前单眼两侧,长 32,单眼间鬃较细,长 24,位于前单眼后缘之两侧,在前后单眼外缘连线上。眼后短鬃 6 对。触角 8 节,各节长(宽):节 I. 22 (31), II. 32 (27), III. 66 (18), IV. 58 (19), V. 48 (17), VI. 53 (17), VII. 11 (6), VIII. 15 (4),总长 304,节 III 长为宽的 3.7 倍。节 V 和 VI 内侧感觉锥基部常与该节愈合。口锥端部窄,伸达前胸腹片后部。下颏须 3 节。

前胸长 129,中部宽 233。背片布满交错横纹,骨化板前缘中部显著凹,板区内前内

本文于 1988 年 2 月收到。

本文用图由动物所陈瑞瑾同志绘制,特此感谢。

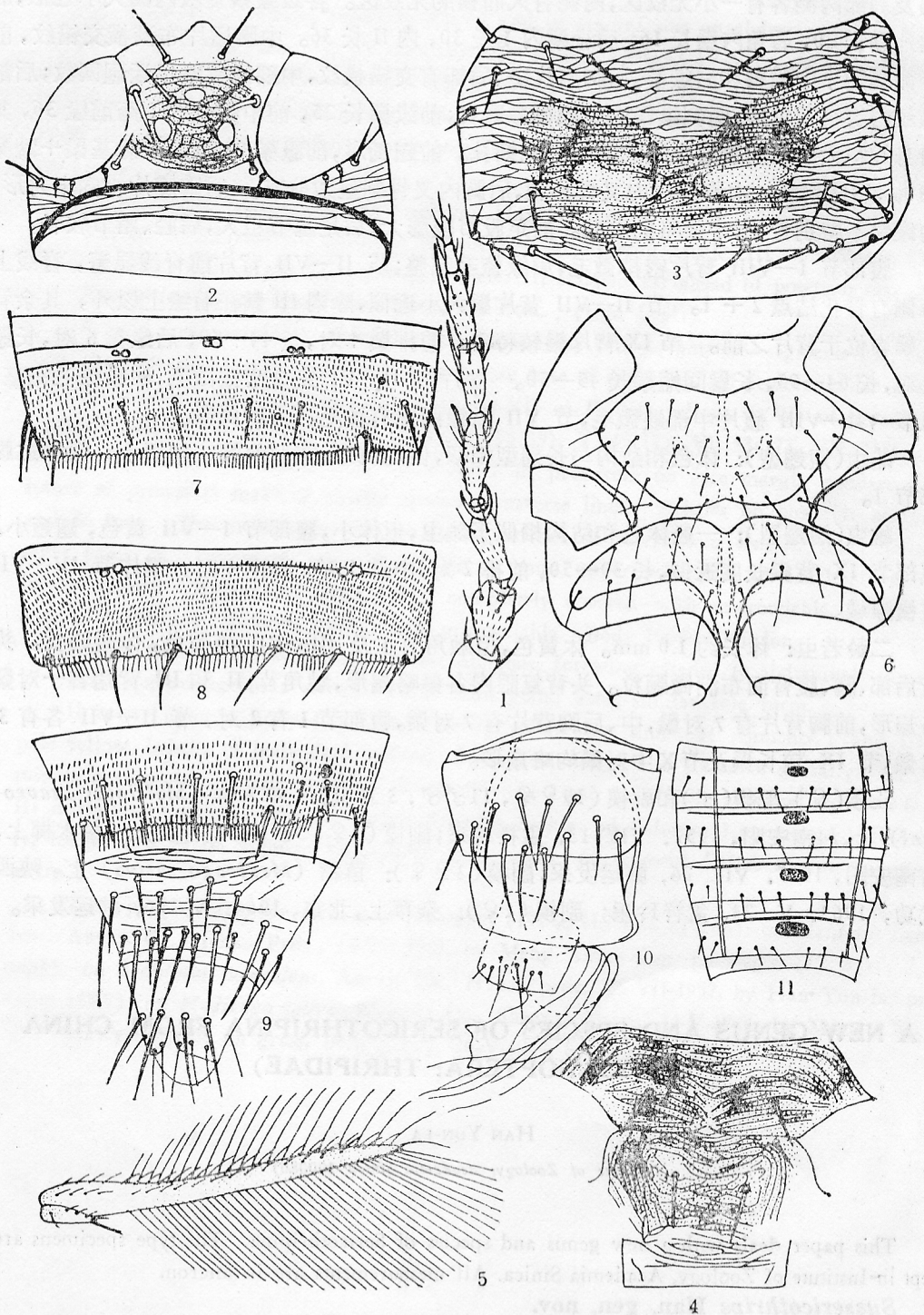


图 1—11 草木樨近绢蓟马 *Sussericothrips melilotus* Han, sp. nov.

1. 触角; 2. 头背面; 3. 前胸背片; 4. 中、后胸盾片; 5. 前翅; 6. 中、后胸腹片及内叉骨; 7. 腹部节 V 背片; 8. 腹部节 V 腹片; 9. 雌虫腹部背端; 10. 雄虫腹部背端; 11. 雄虫腹部节 IV—VII 腹片。

角及后部两侧各有一小无纹区,两侧有大而横的无纹区。各边缘鬃及板内鬃大小近似,后角外鬃长 20,后角内鬃长 16;后缘鬃内 I 长 30,内 II 长 36。中胸盾片布满横交错纹,前外侧鬃短于中后鬃和后缘鬃。后胸盾片中、后部有交错横纹,中部线纹略呈迂迴网纹;后部横纹内有极短纵线,两侧纵线内有模糊微颗粒;前缘鬃长 25,前中鬃长 32,距前缘 36,其自身间距大于与前缘鬃之间的间距。无细孔。前翅剑形,前缘鬃 23 根,前脉基鬃+端鬃 18 根,后脉鬃缺。中胸腹片内叉骨具刺,后胸内叉骨刺呈双分支。后胸腹片横向半月形,前缘线不特别骨化,中部略向后凹。前足股节较膨大,后足基节粗大,后胫、跗节较长。

腹部节 I—VIII 背片密排微毛,后缘梳毛完整;节 II—VII 背片前脊线显著,脊线上每侧有骨化结点 2 + 1。节 II—VII 背片鬃大小近似,除内 III 鬃在后缘上以外,其余背片鬃均位于背片之前。节 IX 背片鬃较特殊,前排鬃 4 对,长 44—50;后缘鬃 6 对,长鬃 3 对,长 64—95,长鬃间短鬃长 45—50。腹片节 II—VI 完全密披微毛,后缘梳毛完整,但节 VII—VIII 腹片中部缺微毛,节 VII 后缘两侧有梳毛。无附属鬃。

雌虫(短翅型): 体色和结构与长翅型相似,但翅胸窄,宽似前胸: 翅短小,仅伸达腹部节 I。

雄虫(短翅型): 一般体色和结构相似于雌虫,但体小,腹部节 I—VII 黄色,翅短小。腹部节 IX 背鬃长度近似,长 39—50,前排 2 对,中排 1 对,后排 4 对。腹片节 IV—VII 有横腺域。

二龄若虫: 体长约 1.0 mm。体黄色,但触角节 I 及 III—VII 淡黄色,体鬃暗黄。头背、胸部、腹背面布满微颗粒。头背复眼内各鬃略扇形,触角节 II 和 III 背端各一对鬃略扇形,前胸背片有 7 对鬃,中、后胸背片有 7 对鬃,腹部节 I 有 2 对,节 II—VII 各有 3 对鬃,节 IX 较长鬃及节 X 中对鬃均略扇形。

正模(♀)、配模(♂)和副模(19♀♀, 11♂♂, 3 若虫): 草木樨 (*Melilotus suaveolens*) 上,河南安阳, 1957. VII. 13, 孟祥玲采;副模(1♀, 3♂♂, 2 若虫): 草木樨上,河南安阳, 1957. VII. 26, 韩运发采;副模(2♀♀): 苜蓿 (*Medicago sativa*) 上,陕西武功, 1963. V. 24, 孟祥玲采;副模(1♀): 杂草上,北京, 1964. V. 26, 韩运发采。

A NEW GENUS AND SPECIES OF SERICOTHRIPINA FROM CHINA (THYSANOPTERA: THRIPIDAE)

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This paper deals with a new genus and species of Sericothripina. The type specimens are kept in Institute of Zoology, Academia Sinica. All measurements are in micron.

Sussericothrips Han, gen. nov.

The antennae 8 segments, with forked sense cone on segments III and IV. Mouth cone moderately long, conical. The pronotum with one well defined blotch area. The metanotum and scutellum fused. The metasternum with one transverse line along anterior margin. Me-

dian pair of bristles (b. 1) similarly placed and of similar size on abdominal terga II-VII, as strong as the submedian pair (bristles II). The bristles I-II and IV-V on abdominal terga situated far ahead of posterior margin, but bristles III situated on posterior margin. Terga I-VII completely covered with microtrichia of uniform character throughout a tergum. Comb of microtrichia along posterior margin complete on terga I-VII, comb hairs similarly formed throughout each tergum.

Type species: *Sussericothrips melilotus* Han, sp. nov.

Similar to *Sericothrips* Haliday, but the new genus with bristles III of abdominal tergita I-VII on posterior margin (*Sericothrips*, bristles III situated far ahead of posetrior margin).

***Sussericothrips melilotus* Han, sp. nov.** (figs. 1-11)

Female (macropterous): Body bicolor, brown and yellow; antennal segments I-II, III (except near the apex), one cross band just before base of forewing, all femora, tibiae and tarsi (femora a little dark), abdominal segments III-VII or IV-VII yellow. L(W) of antennal segments: I. 22(31), II. 32(27), III. 66(18), IV. 58(19), V. 48(17), VI. 53(17), VII. 11(6), VIII. 15(4). Interocellar bristles 24 long. The blotch of pronotum on fore margin concave. Sculpture of pronotum make of closely spaced transverse lines. Bristles on posterior margin 30 and 36 long. The metanotum with reticulate, bristles of metanotum length: inner pairs 32, outer pairs 25. Forewings with 23 bristles on costa, upper vein with 18 bristles, lower vein bristles absent. Abdomenal terga I-VIII completely covered with microtrichia, sterna I-VII and VIII (only on anterior angle) with microtrichia. Body 1000-1100 long.

Female (micropterous): similar to macropterous, forewing extened to abdominal segment I.

Male (micropterous): sterna IV-VII with gland area, similar sole form.

II instar nymph: Body 1000 long. Body yellow but antennal segments I and III-VII pale yellow, bristles of body dark yellow. Postvertex, thorax and abdomen dorsally with dense minute granulum. 4 pair cephalic dorsal bristles, 2 pair bristles on antennal segments II and III dorsally, 14 pair bristles on thorax dorsally, bristles on abdominal segments I-VIII dorsally, longer bristles on segment IX, middle pair bristles on segment X flabellate or complanate at tip.

Holotype (♀), allotype (♂), and paratypes (19♀♀, 11♂♂, 3 nymph): on *Melilotus suavealens*, Anyan Co. Henan Prov., 13-VII-1957, by Meng Xiang-ling. paratypes (1♀ 3♂♂, 2 nymph): on *Melilotus suavealens*, Anyan Co., Henan prov., 26-VII-1957, by Han Yun-fa. paratypes (2♀♀): on *Medicago sativa*, Wugong Co., Shaanxi Prov., 24-V-1863, by Meng Xiang-ling. paratype (1♀): on grass, Beijing city, 26-V-1964, by Han Yun-fa.