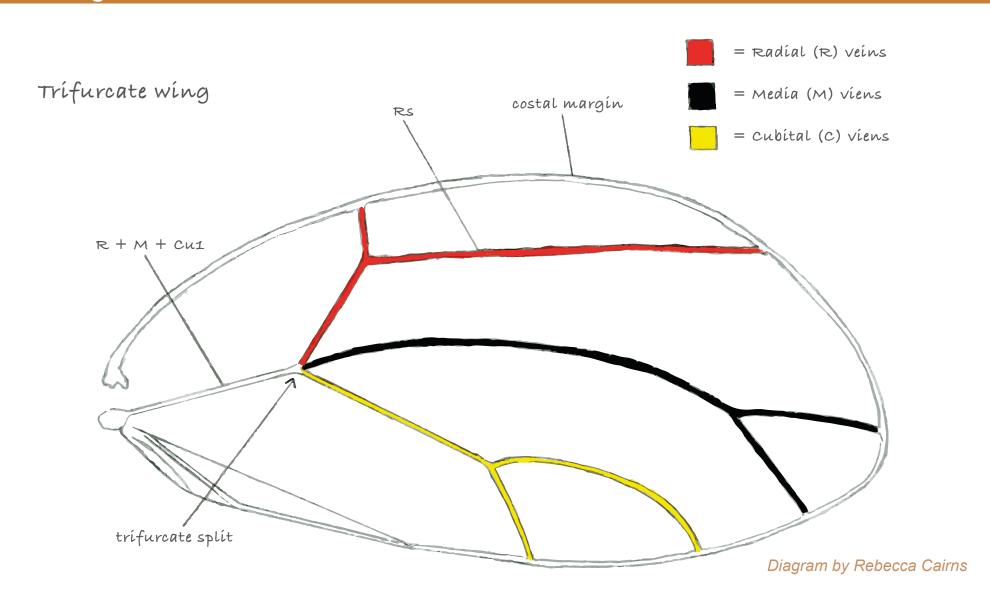


Forewing



1. Vein R, M & Cu1

Is it...

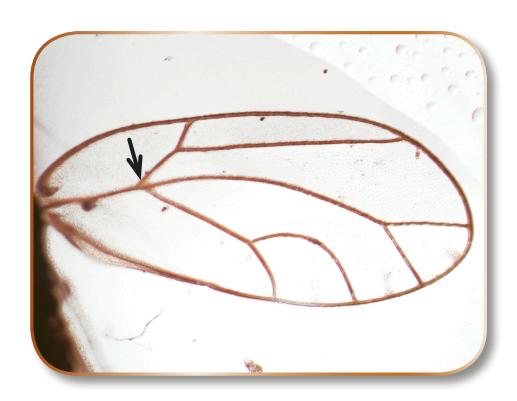
a. Forewing vein R, M & Cu1 bifurcate.

or

b. Forewing vein R, M & Cu1 trifurcate.



...Not of concern



...go to step 2

Hind leg

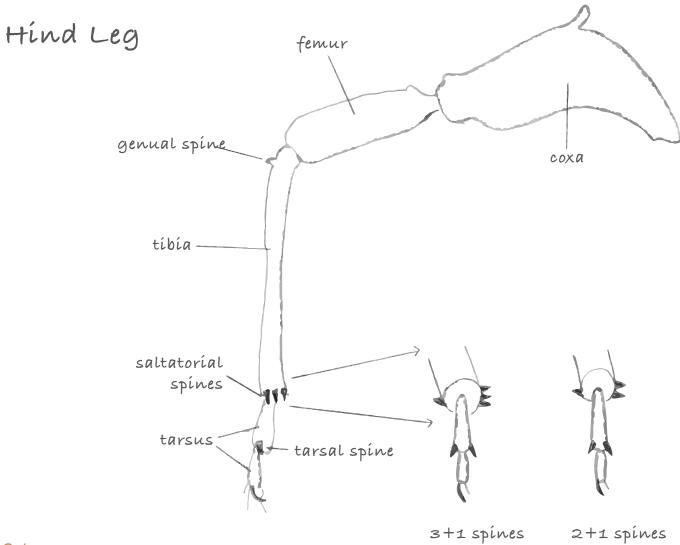


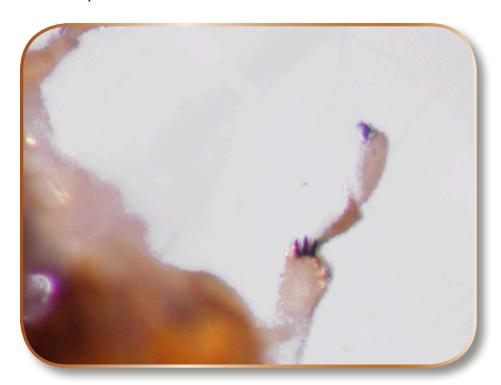
Diagram by Rebecca Cairns

or

2. Hindleg Metatibia apically

Is it...

a. Hindleg Metatibia apically with 3 + 1 saltatorial spines (single spine round other side).



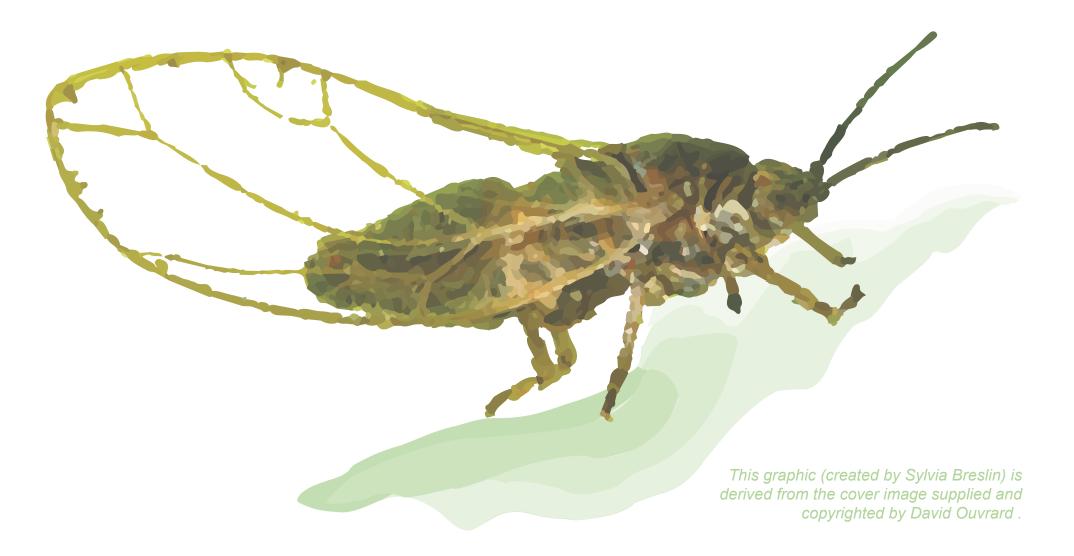
...Not of concern

b. Hindleg Metatibia apically with 2 + 1 saltatorial spines (single spine round other side).



...go to step 3

Forewing



3. Forewing surface spinules

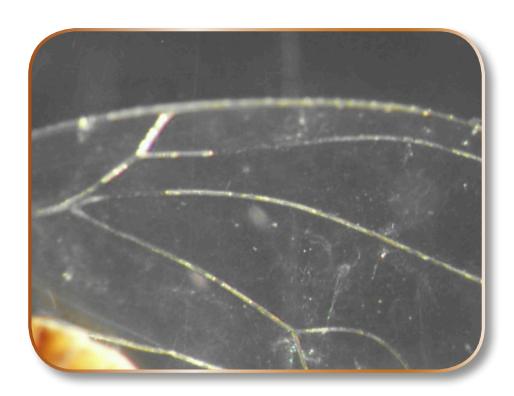
Is it...

a. Forewing with surface spinules present. *or*

b. Forewing with surface spinules absent.

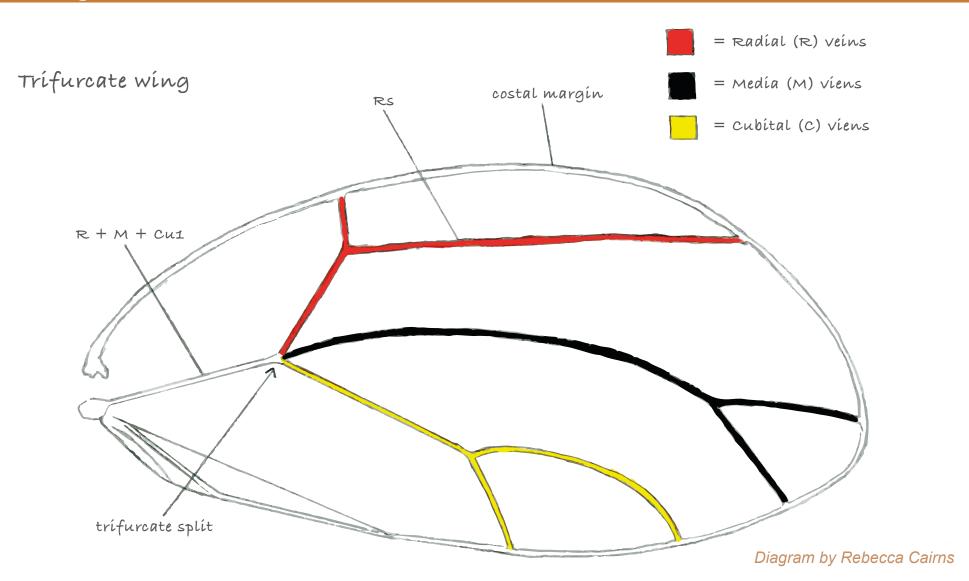


...go to step 4



...go to step 8

Forewing

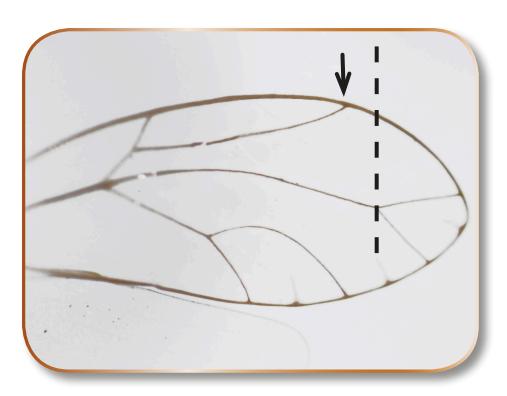


or

4. Vein Rs reaching costal margin

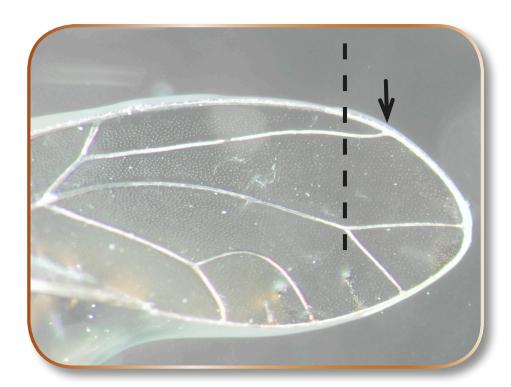
Is it...

a. Vein Rs reaching costal margin



proximally of branch in vein M.

b. Vein Rs reaching costal margin distally of branch in vein M.



...Not of concern

...go to step 5

Colour



5. Body colour

Is it...

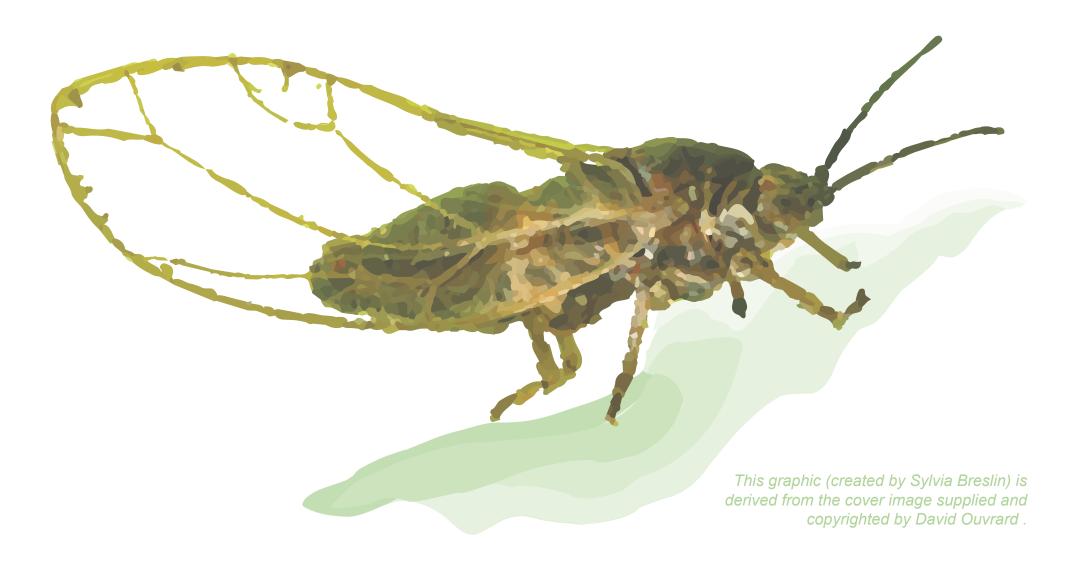
- a. Body colour orange, reddish, brown or black; **or** forewings distinctly yellow; **or** abdominal venter conspicuously pale.
- or b. Body colour yellow or green. Forewings colourless or only faintly yellow.



...Not of concern

...go to step 6

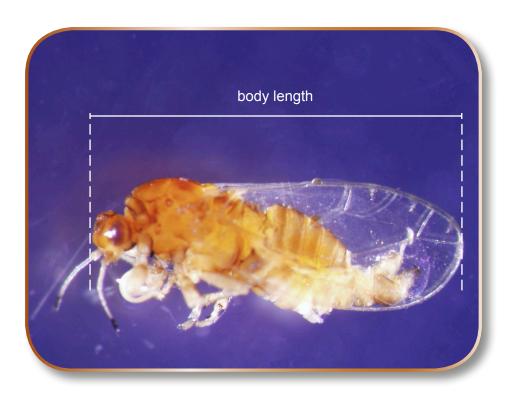
Size



6. Body length

Is it...

- a. A larger species: Length of males 2.86 3.38mm, females 3.00 3.71mm.
- or
- b. A smaller species: Length of males 2.57 3.10mm, females 2.71 3.10mm.

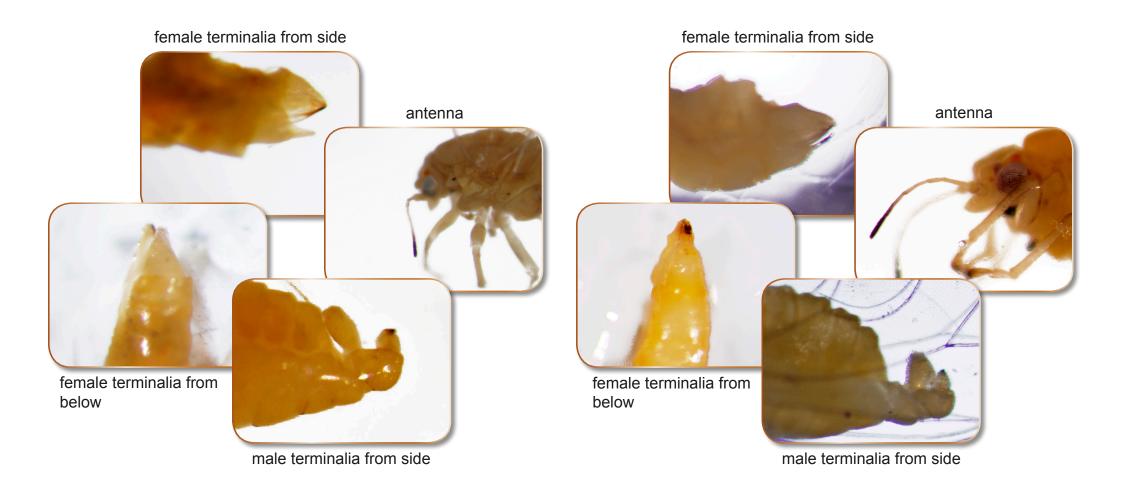


...Not of concern

...go to step 7

T. apicalis

T. anthrisci



or

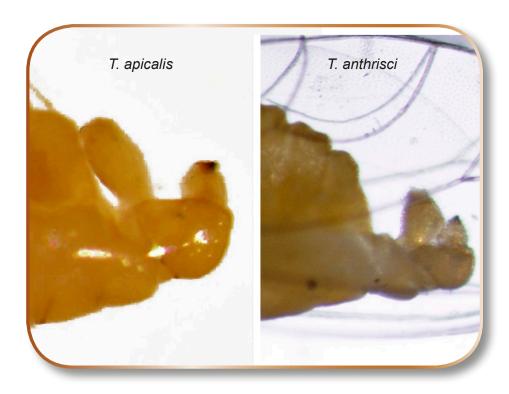
7. Male parameres

Is it...

- a. Male parameres are long, slender and pointed towards body.

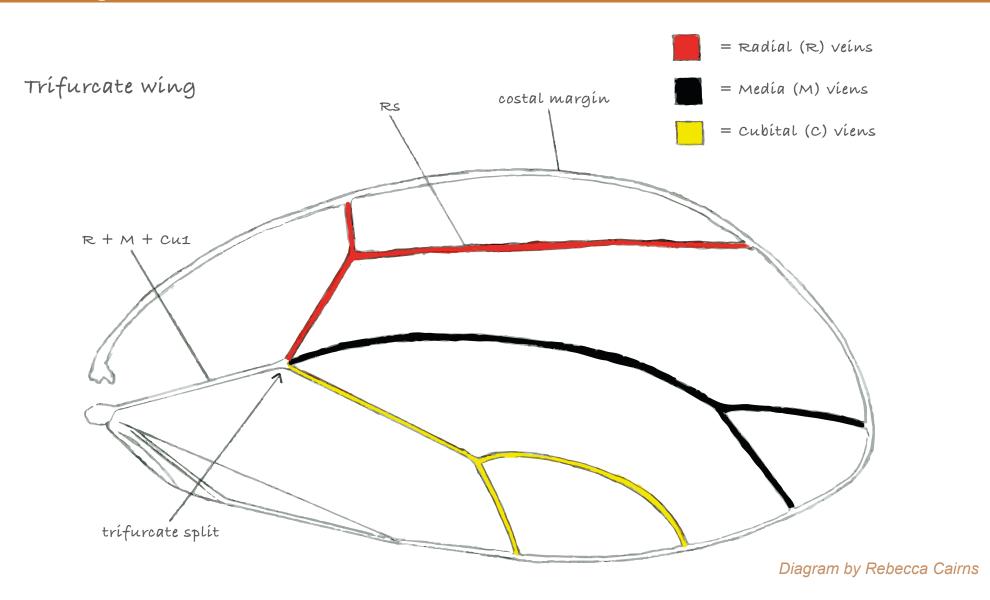
...Not of concern

b. Male parameres short and broad, with a small dark projection.



...Possible *T. apicalis*, *T. anthrisci*

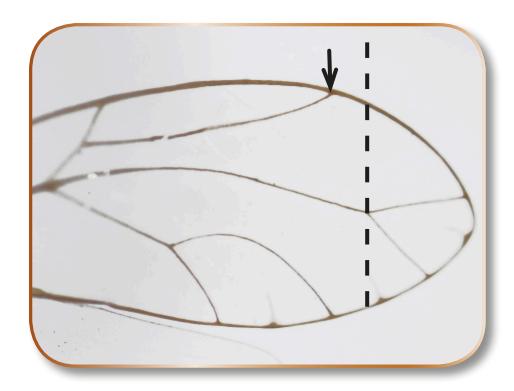
Forewing



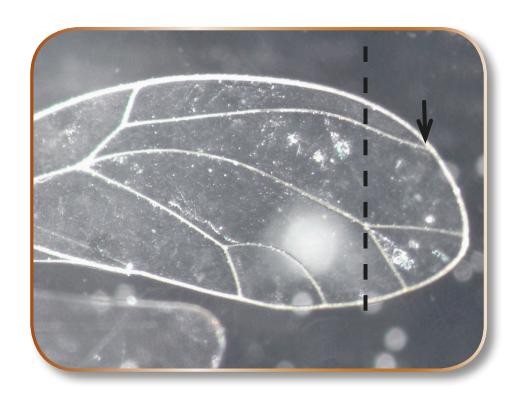
8. Vein Rs reaching costal margin

Is it...

- a. Vein Rs reaching costal margin proximally
- of branch in vein M.
- or
- b. Vein Rs reaching costal margin distally of branch in vein M.



...Not of concern



...Go to step 9

Head

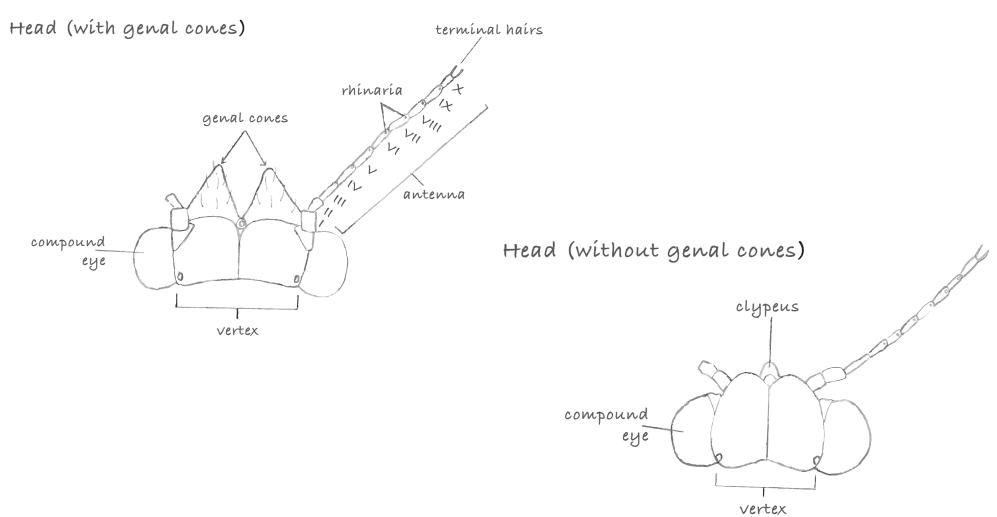
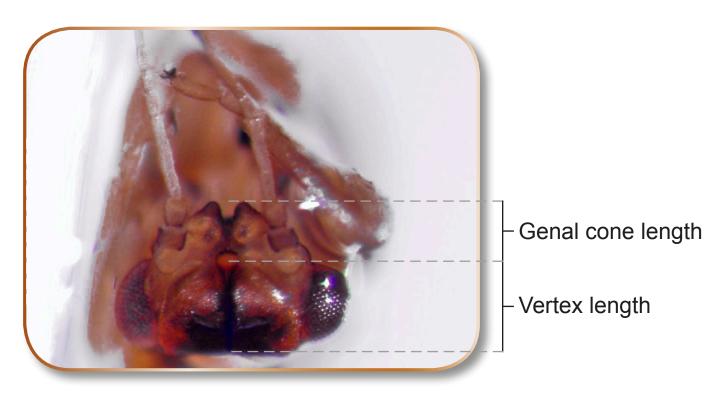


Diagram by Rebecca Cairns

9. Genal cones

Is it...

- a. Genal cones longer than half vertex length along midline.
- or
- b. Genal cones shorter than half vertex length along midline.



...Not of concern

...Go to step 10

B. nigricornis B. cockerelli B. trigonica B. tremblayi genal cones disc-shaped rhinarium genal cones The adjacent eight images have been contributed by David Ouvrard and are all © David Ouvrard. female terminalia from side male terminalia male terminalia male terminalia male terminalia from side aedeagus aedeagus aedeagus

or

10. Antennal segments

Is it...

a. 4–8 light basally, dark apically. Disk-shaped rhinarium on antennal segment 4.



...Possible B. cockerelli

b. Entirely dark, or segments 4 – 8 uniformly darkening toward apex. No disk shaped rhinarium on antennal segment 4.



...Possible *B. nigricornis*; *B. trigonica*; *B. tremblayi*

Other useful references

Psylloidea (Homoptera) of Fennoscandia and Denmark, by F. Ossiannilsson

Royal Entomological Society Handbook – Vol 2, Part 5(a), Homoptera Psylloidea, by I.D. Hodkinson & I.M. White

Burckhardt D. & Freuler J. (2000). Jumping plant-lice (Hemiptera, Psylloidea) from sticky traps in carrot fields in Valais, Switzerland.

Burckhardt, D. (1986). Taxonomy and host plant relationships of the *Trioza apicalis* Förster complex (Hemiptera, Homoptera: Triozidae). Entomologica scandinavica, 16(4), 415-432.

Ouvrard, D., & Burckhardt, D. (2012). First record of the onion psyllid *Bactericera tremblayi* (Wagner, 1961) in France (Insecta: Hemiptera: Sternorrhyncha: Psylloidea), new symptoms on leek crops and reassessment of the *B. nigricornis*-group distribution. EPPO Bulletin, 42(3), 585-590. doi:10.1111/epp.12005









