

## On the presence of *Ilithucia nasuta* (Stål, 1859) (Hemiptera: Membracidae) in the north of Chile

Sobre la presencia de *Ilithucia nasuta* (Stål, 1859) (Hemiptera: Membracidae) en el norte de Chile

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### Abstract

The known distribution of *Ilithucia nasuta* (Stål, 1859) (Hemiptera: Membracidae) is expanded with specimens from Tarapacá Region, Chile; becoming the first record for the country.

**Key words:** Chile, North, Tarapacá, Insect, Membracidae, Ceresini, *Ilithucia*, new record.

### Resumen

Se amplía el conocimiento sobre la distribución de *Ilithucia nasuta* (Stål, 1859) (Hemiptera: Membracidae) a partir de ejemplares provenientes de la región de Tarapacá, Chile, siendo el primer registro para este país.

**Palabras clave:** Chile, Norte, Tarapacá, insecto, Membracidae, Ceresini, *Ilithucia*, nuevo registro.

The family Membracidae Rafinesque, 1815 consist in more than 3,200 species classified in 400 genera and 9 subfamilies; 8 of these are restricted to the New World (Deitz *et al.*, 2008) Membracids are popularly known for their great diversity of pronotal extensions. It is less widely known that they are as varied in their habits as in their morphology (McKamey & Deitz, 1996).

The genus *Ilithucia* Stål, 1867 (Smiliinae: Ceresini) was treated by Sakakibara (2002). This genus comprises 18 species. *Ilithucia nasuta* (Stål, 1859) was described originally in the genus *Ceresa* Amyot and Serville, 1843, referring to their place of origin: Insula, Tahiti, this considered as a mistake by Sakakibara (2002). This species is known for Brazil (Goding, 1930; Funkhouser, 1951), Colombia (Richter, 1941; 1942; 1943; 1955; Funkhouser, 1951; Sakakibara, 2002) and Ecuador (Sakakibara, 2002). The purpose of this note is to report for the first time the presence of *I. nasuta* in Chile.

Seven females were examined with the following information: Chiapa 2950 m; Cord. Iquique; 23.24-April-1969; **Coll:** L.E. Peña; **Deposited in:** "Museo Entomológico Luis Peña", Departamento de Sanidad Vegetal, Universidad de Chile (Figs. 1-9). For the identification I followed Sakakibara (2002); the original description, Richter's (1943) redescription and Kopp & Yonke's (1979) figures.

### Taxonomy:

- Ilithucia nasuta* (Stål, 1859)
- = *Ceresa nasuta*; Stål, 1859: 283
- = *Melusina nasuta*; Stål, 1867: 552
- = *Centrogonia nasuta*; Stål, 1869: 24
- = *Penichrophorus nasutus*; Richter, 1943: 86
- = *Penichrophorus sericatus* Richter, 1943: 86
- = *Centrogonia nasuta*; Funkhouser, 1951: 127
- = *Penichrophorus nasuta*; Richter, 1955: 334
- = *Ilithucia nasuta*; Sakakibara, 2002: 195

*Ilithucia nasuta* (Stål, 1859) can be confused in Chile by its superficial resemblance with *Sundarion chilense* (Spinola, 1852) (Figs. 4-6), and *Alchisme rubrocostata* (Spinola, 1852) (Figs. 7-9). *Ilithucia* can be distinguished from both genera in having the forewing with veins R and M fused, then separated at apex (as described by Deitz in 1975).

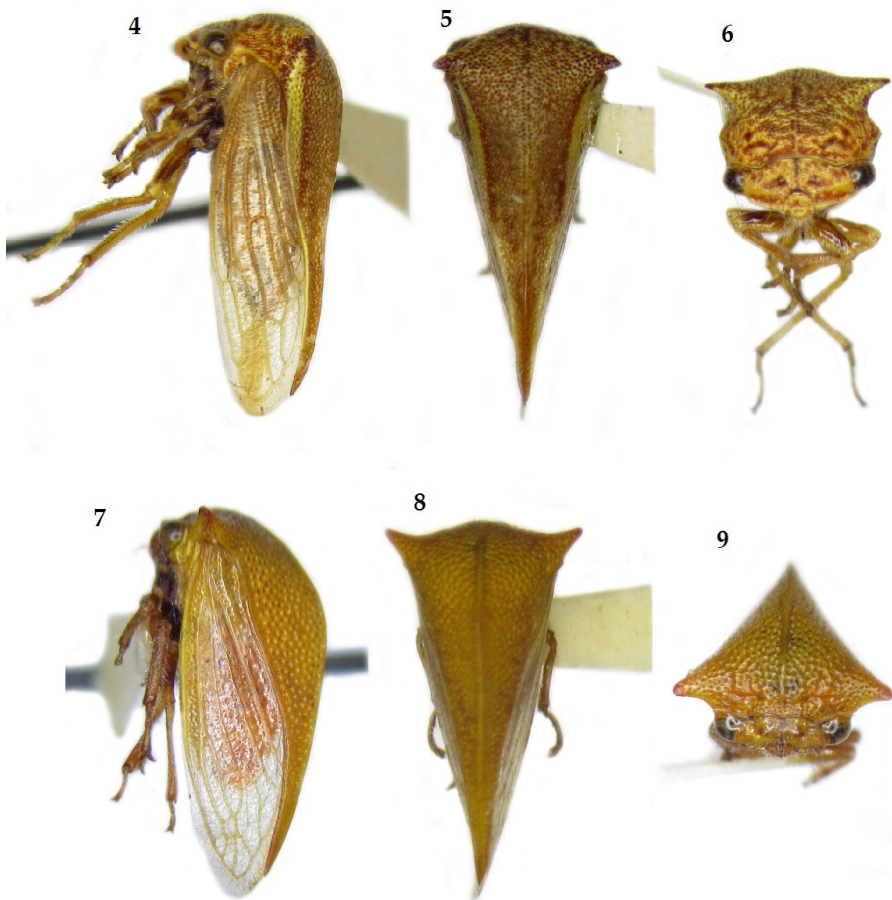
### Acknowledgements

I thank Albino M. Sakakibara for his help on the identification, Danilo E. Cepeda for allowing me to consult the material deposited in the collection of Museo Entomológico Luis Peña, Departamento de Sanidad Vegetal, Facultad de Ciencias Agronómicas, Universidad de Chile. Eduardo I. Faúndez for providing bibliographic information and his suggestions on a previous version of the manuscript. Mario Elgueta for providing bibliographic information. Finally I also want to thank to an anonymous reviewer who helped to improve the manuscript.



Figs. 1-3: *Ilithucia nasuta* from Región de Tarapacá (20°17'00" S; 69°20'00" W). (1) lateral view, (2) dorsal view, (3) frontal view.

Figs. 1-3: *I. nasuta* de la Región de Tarapacá (20°17'00" S; 69°20'00" W). (1) vista lateral, (2) vista dorsal, (3) vista frontal.



Figs. 4-9: *Sundarion chilense*. (4) lateral view, (5) dorsal view, (6) frontal view. *Alchisme rubrocostata*. (7) lateral view, (8) dorsal view, (9) frontal view.

Figs. 4-9: *S. chilense*. (4) vista lateral, (5) vista dorsal, (6) vista frontal. *A. rubrocostata*. (7) vista lateral, (8) vista dorsal, (9) vista frontal.

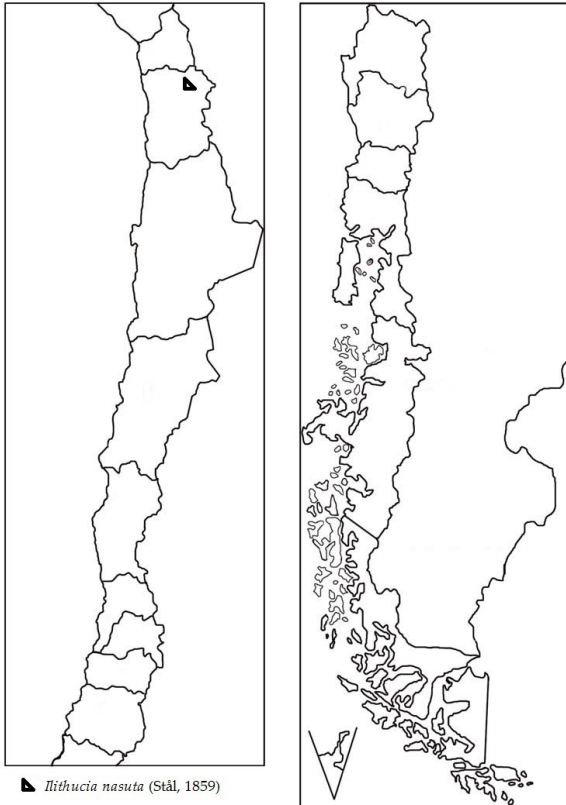


Fig. 10. Distribution of *Ilithucia nasuta* in Chile.

Fig. 10. Distribución de *I. nasuta* en Chile.

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