

SCIENTIFIC NOTE

Greenidea ficicola Takahashi (Hemiptera: Greenideidae), a New Aphid in BrazilCARLOS R. SOUSA-SILVA¹, JOSÉ C. BROMBAL² AND FERNANDO A. ILHARCO³¹Depto. Ecologia e Biologia Evolutiva, dcrcs@power.ufscar.br; ²Programa de Pós-Graduação em Ecologia e Recursos Naturais, DEBE, jcbrombal@yahoo.com.br. UFSCar, Rodovia Washington Luís, km 235, C. postal 676, 13565-905 São Carlos, SP, Brasil³Estação Agronômica Nacional, 2784-505, Oeiras, Portugal*Neotropical Entomology* 34(6):1023-1024 (2005)*Greenidea ficicola* Takahashi (Hemiptera: Greenideidae), um Novo Afídeo no BrasilRESUMO - *Greenidea ficicola* Takahashi (Hemiptera: Greenideidae) foi coletado pela primeira vez na região Neotropical no município de São Carlos, região sudeste do Brasil. Foram encontradas formas ápteras em *Ficus microcarpa* L. (Moraceae) em setembro de 2003 e setembro de 2004.PALAVRAS-CHAVE: Aphidoidea, *Ficus microcarpa*, forma ápteraABSTRACT - *Greenidea ficicola* Takahashi (Hemiptera: Greenideidae) is recorded in the Neotropical Region. *G. ficicola* was collected in the municipality of São Carlos, São Paulo State, Southeastern Brazil. The specimens are apterous forms collected on *Ficus microcarpa* L. (Moraceae) leaves in September 2003 and September 2004.KEY WORDS: Aphidoidea, *Ficus*, apterous form

Greenidea ficicola Takahashi (Hemiptera: Greenideidae) is readily recognized by the dark, long (at least one third of body length), hairy siphunculi and apically curved siphunculi. The body is pear-shaped, yellowish-brown to dark-brown in apterae forms. Alatae forms have an elongate body with dark-brown abdomen, and siphunculi up two-thirds of body length (Blackman & Eastop 2000).

Up to now, *G. ficicola* has been found in continental Asia, Japan, Philippines, Malaysia, Taiwan, Australia and Indonesia (Blackman & Eastop 1994), but there are recent accounts for Burundi, Africa (Remaudière *et al.* 1992) and USA (Halbert 2004). Over most of its range, *G. ficicola* is recorded on *Ficus* species, including *F. carica* L. (common fig) (Moraceae) (Blackman & Eastop 1994, 2000), although there are records on *Artocarpus integrifolia* Lf. (Moraceae) (Devi *et al.* 1987) and guava (*Psidium guajava* L.) (Myrtaceae) (Ahmad *et al.* 1995, Blackman & Eastop 2000) in India.

In a survey in the municipality of São Carlos (22° 00' 43,1" S, 47° 53' 37,5" W, 821 m a. s. l.), São Paulo State, Southeastern Brazil, apterous forms of *G. ficicola* were found on *F. microcarpa* L. undersides of leaves in September 2003 and 2004 (late winter). Alate forms and visiting of ants were not observed. The specimens are deposited (sample 995) in the Aphid Collection of the Departamento de Ecologia e Biologia Evolutiva of the Universidade Federal de São

Carlos (Coleafis/DEBE/UFSCar) at São Carlos city, SP, Brazil.

As far as we know, this is the first report of *G. ficicola* in Brazil or in the Neotropics. The use of exotic and native *Ficus* species as ornamental trees in parks or streets is widely adopted in Southeast Brazil, and the international trade with Asian countries have increased in the past two decades. It is believed that these two factors may explain the occurrence of *G. ficicola* in South America. Several commercial orchards grow common fig in Southeast Brazil. Therefore, further studies about *G. ficicola* as a possible pest in Brazilian fig orchards are recommended.

Acknowledgments

To Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Brazil, for the financial support to JCB. We also thank Dr. Rodolfo Antônio de Figueiredo for identification of *F. microcarpa* and Dr. Odete Rocha for reviewing the manuscript.

Literature Cited

Ahmad, M.D.E., Rajendra-Singh, S.-R. & M. D. Equbal-Ahmad. 1995. First record of the aphid parasitoid *Archaphidus greenideae* Stary & Schlinger

(Hymenoptera: Aphidiidae) from India. Entomon 20: 1-63.

(Hymenoptera: Formicidae) of fruit trees in Manipur, north-east India. J. Aphidol. 1: 102-104.

Blackman, R.L. & V.F. Eastop. 1994. (eds.), Aphids on the world's trees: An identification and information Guide. Wallingford, CAB, 986p.

Halbert, S.E. 2004. The genus *Greenidea* (Rhynchota: Aphididae) in the United States. Fla. Entomol. 87: 159-163.

Blackman, R.L. & V.F. Eastop. 2000. (eds.), Aphids on the world's crops: An identification and information guide. Chichester, John Wiley & Sons, 466p.

Remaudière, G., A. Autrique & L. Ntahimpera. 1992. *Greenidea ficicola*, première espèce de la tribu des Greenideini découverte en Afrique (Homoptera, Aphididae, Greenideinae). Rev. Fran. Entomol. 14: 132

Devi, C.M., M.S. Paonam & T.K. Singh. 1987. Aphids (Homoptera: Aphididae) and their associated ants

Received 16/V/05. Accepted 06/VII/05.
