THE BEAN PLATASPID, MEGACOPTA CRIBRARIA (HEMIPTERA: PLATASPIDAE), A NEW INVADER IN FLORIDA

JULIO MEDAL*, SUSAN HALEBERT AND ANDREW SANTA CRUZ
Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Gainesville, Florida, USA

*Corresponding author; E-mail: Julio.Medal@freshfromflorida.com

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Megacopta cribraria (F.) (Hemiptera: Plataspidae), known by the common names: bean plataspid, kudzu bug, lablag bug and globular stink bug, was found in North Florida in Mar 2012, the first report of this insect in Florida. On 15 Apr 2012, three M. cribraria adults were hand collected in a kudzu (Pueraria montana Lour (Merr.) variety ‘lobata’ (Willd.) (Fabales: Fabaceae) patch in McAlpin, Suwannee, County, Florida (N 30.10925° W -82.88408°). In early May 2012, personnel from the Florida Department of Agriculture and Consumer Services (FDACS), Division of Plant Industry (DPI) and the Cooperative Agricultural Pest Survey (CAPS), conducted surveys of kudzu patches in Jefferson, Leon and Madison Counties, Florida. Sweep-netting and hand-catches yielded several dozen M. cribraria adults. An additional find occurred in Jun 2012 in Alachua County. In this case, a single adult M. cribraria was found in kudzu plant material collected in Gainesville, Florida. Subsequently, 2 more adult specimens were collected on kudzu plants at the same location, confirming this new county record. Megacopta cribraria adults were reported on 15 Aug 2012 in a soybean field in Gadsden County, Florida. (Russ Mizell III, personal communication). In Sep 2012, M. cribraria was found in Pasco and Hillsborough Counties and in Oct it was found in Columbia, Hamilton and Gilchrist Counties. Voucher specimens were deposited in the Florida State Collection of Arthropods, Gainesville, Florida. In total, M. cribraria was recorded in the following locations: N 30.25563° W -82.16611°; N 30.31766° W -81.75049°; N 30.53099° W -83.63109°; N 30.60597° W -83.8717°; N 30.53583° W -84.01837°; N 30.66415° W -83.87859°; N 30.64562° W -81.87074°; N 29.94169° W -82.10981°; N 29.639705° W -82.39892°; N 29.30659° W -82.15203°; N 28.42612° W -82.19043°; N 27.98159° W -82.29661°; N 29.95232° W -82.59689°; and N 30.5244° W -83.09296° in 16 Florida counties (Alachua, Baker, Bradford, Columbia, Duval, Gadsden, Gilchrist, Hamilton, Hillsborough, Jefferson, Leon, Madison, Marion, Nassau, Pasco, Suwannee) (Figs. 1 and 2); these figures are reproduced in color in the online supplementary document at http://purl.fcla.edu/fcla/entomologist/browse.

The first USA find of M. cribraria was in northeastern Georgia in the fall of 2009, and since then it has spread through South Carolina, North Carolina, Alabama and Virginia (www.cbsatlanta.com; Roberts 2011; Suiter et al. 2010a, 2010b). This piercing sucking insect is closely related to stink bugs in the family Pentatomidae. It is native to Asia where it is an agricultural pest of soybean, Glycine max Merrill (Fabales: Fabaceae), other species of legumes and fruit trees (Li et al. 2001; Wang et al. 2004; Eger et al. 2010). In the infested areas of the USA, M. cribraria seems to prefer feeding on the invasive kudzu plant (Zhang et al. 2012). Additionally, it was reported feeding on caged fig trees, Ficus carica L. (Rosales: Moraceae), in Auburn, Alabama (Hu & Carroll 2012). It is expected that this insect will continue to expand its host range, and that its geographical range will expand into the northeastern USA. This new invader has the potential to cause significant agricultural losses (USDA-APHIS 2010).
The bean plataspid, *Megacopta cribraria* (F.) (Hemiptera: Plataspidae), is reported in Florida for the first time. It was found during Mar-Oct 2012 in kudzu patches (*Pueraria montana* Lour (Merr.) (Fabales: Fabaceae) in 16 Florida counties. Its host range includes kudzu, soybean (*Glycine max* Merrill; Fabales: Fabaceae), and other legume crops (Medal et al. unpublished data).

**Key Words:** kudzu bug, invasive pest, soybean, southeastern USA

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**REFERENCES CITED**


