

***Agrilus subrobustus* Saunders (Coleoptera: Buprestidae) First
Detected in North Carolina as Prey of the Wasp *Cerceris
fumipennis* Say (Hymenoptera: Crabronidae)**

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SCIENTIFIC NOTE

***AGRILUS SUBROBUSTUS* SAUNDERS (COLEOPTERA: BUPRESTIDAE) FIRST
DETECTED IN NORTH CAROLINA AS PREY OF THE WASP *CERCERIS FUMIPENNIS*
SAY (HYMENOPTERA: CRABRONIDAE)**

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The buprestid *Agrilus subrobustus* Saunders is native to East Asia and was first detected in the United States in Georgia in 2006 by J. P. Basham (Westcott 2007). The beetle subsequently has been collected in Alabama, South Carolina, and Tennessee on sticky traps and by beating branches of mimosa (*Albizia julibrissin* Durazzini; Fabaceae), its only known host (Hansen *et al.* 2010, 2012; Hoebeke and Wheeler 2011). Harpootlian and Bellamy (2014) also reported that adults were found on *Quercus* sp. (Fagaceae) in Japan. On 1 July 2014, one specimen of *A. subrobustus* was collected as prey of the native, ground-dwelling wasp *Cerceris fumipennis* Say in Asheville, North Carolina, **new state record**, as part of a biosurveillance program for adventive Buprestidae conducted by the North Carolina Department of Agriculture (NCDA) (Careless *et al.* 2009; Swink *et al.* 2013). This first record of *A. subrobustus* in North Carolina extends the known range of this beetle to five states. The material examined is as follows (one specimen)—**NORTH CAROLINA:** Buncombe Co., Asheville, Vance Elementary School, 35°34'36.54" N, 82°36'0.50" W, *Cerceris fumipennis* prey, 1-VII-2014, C. A. Nalepa. The specimen was identified by J. P. Basham and has been deposited in the collection of the NCDA Beneficial Insects Laboratory (Cary, NC). This finding highlights the utility of using *C. fumipennis* in the detection and monitoring of buprestids of potential economic concern.

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