

THE EUROPEAN OAK BORER, *AGRILUS SULCICOLLIS* (COLEOPTERA: BUPRESTIDAE): NEW TO NORTH AMERICA

Robert A. Haack¹, Vasily V. Grebennikov²,
Eduard Jendek², Toby R. Petrice¹, and James E. Zabloutny³

¹U.S. Forest Service, Northern Research Station,
East Lansing, MI 48823

²Canadian Food Inspection Agency, Ottawa Plant Laboratory,
K.W. Neatby Building., Ottawa, ON K1A 0C6 Canada

³USDA APHIS PPQ, Romulus, MI 48174

ABSTRACT

The European oak borer, *Agrilus sulcicollis* Lacordaire, was first reported in North America in Ontario in 2008 and then in Michigan and New York in 2009 (Haack et al. 2009, Jendek and Grebennikov 2009). Subsequent examination of previously unidentified specimens in Canadian and U.S. museums and personal collections found *A. sulcicollis* individuals dating from 1995 in Canada and 2003 in the U.S. Specimens have been collected from English oak (*Quercus robur*) in the U.S. and red oak (*Q. rubra*) in Canada. *Agrilus sulcicollis* is native to most of Europe, where it infests primarily oak species, but occasionally it has been reared from species of *Carpinus*, *Castanea*, and *Fagus*. Adults are 5 to 9 mm long and various shades of metallic bronze, green, violet, and blue. Adults are similar in appearance to *A. cyanescens* (see Zabloutny 2009). In Europe, *A. sulcicollis* usually has a 1-year life cycle, flies mostly in May-July, and infests stressed oak trees along with *A. biguttatus* and *A. angustulus*. We do not

know what impact *A. sulcicollis* will have on oaks in North America, but so far no widespread oak mortality has been attributed to this new invader.

Literature Cited

- Haack, R. A., Petrice, T.R.; Zabloutny, J.E. 2009. **First report of the European oak borer, *Agrilus sulcicollis* (Coleoptera: Buprestidae), in the United States.** The Great Lakes Entomologist. 42: 1-7.
- Jendek, E.; Grebennikov, V.V. 2009. ***Agrilus sulcicollis* (Coleoptera: Buprestidae), a new alien species in North America.** Canadian Entomologist. 141: 236-245.
- Zabloutny, J.E. 2009. **Discriminating *Agrilus sulcicollis* Lacordaire from *Agrilus cyanescens* Ratzeburg.** USDA APHIS. 2 p. (http://www.ceris.purdue.edu/caps/files/screening_aids/Agrilussulcicollis.pdf)