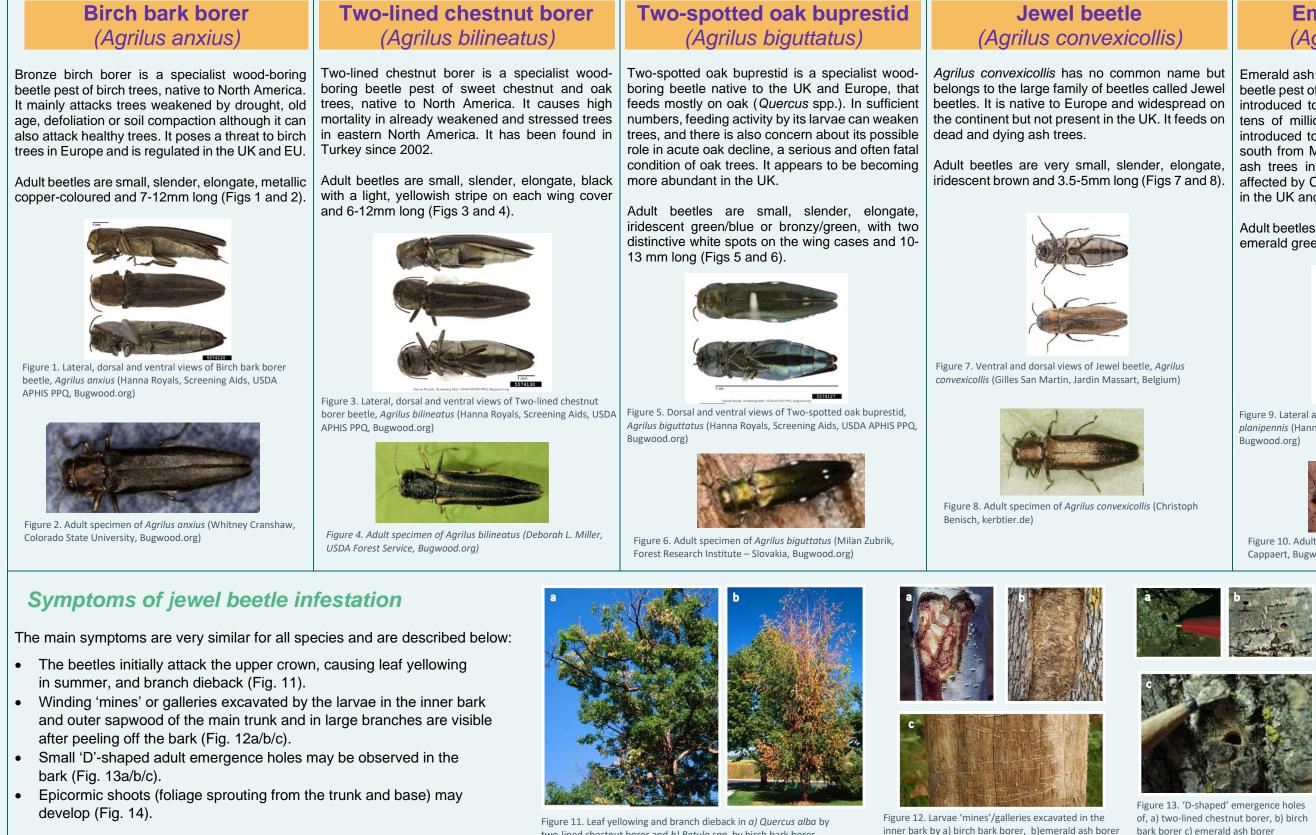


Aqrilus Beetles

Agrilus is a genus of wood-boring jewel beetles (Family Buprestidae), containing about 3000 species, several of which present a threat to tree health in the UK. There are 87 species of Agrilus recorded in Europe, hence adult specimens should be identified by a specialist. Below we focus on five species of concern and further details can be found in the accompanying



two-lined chestnut borer and b) Betula spp. by birch bark borer (Steven Katovich, bugwood.org)

c) two spotted oak buprestid (David G. Nielsen, The

Ohio State University, Daniel Herms, The Ohio State

Univeristy, Gyorgy Csoka, Hungary Forest Research

Institute, Bugwood.org)



Emerald ash borer (Agrilus planipennis)

Emerald ash borer is a specialist wood-boring beetle pest of ash trees, native to East Asia. It was introduced to North America where it has killed tens of millions of ash trees. It has also been introduced to Russia and is spreading west and south from Moscow. It poses a serious threat to ash trees in Europe which have already been affected by Chalara ash dieback and is regulated in the UK and EU.

Adult beetles are small, slender, elongate, metallic emerald green and 7.5-13mm long (Figs 1 and 2).



Figure 9. Lateral and dorsal views of Emerald ash borer. Agrilus planipennis (Hanna Royals, Screening Aids, USDA APHIS PPQ,



Figure 10. Adult specimen of Agrilus planipennis (David Cappaert, Bugwood.org)

bark borer c) emerald ash borer (Minnesota Dept. Natural Resources -FIA, Steven Katovich, Kenneth R. Law, USDA APHIS PPQ, bugwood.org)



Figure 14. Epicormic branches on Fraxinus spp after EAB attack (Joseph Obrien, USDA Forest Service, bugwood.org)