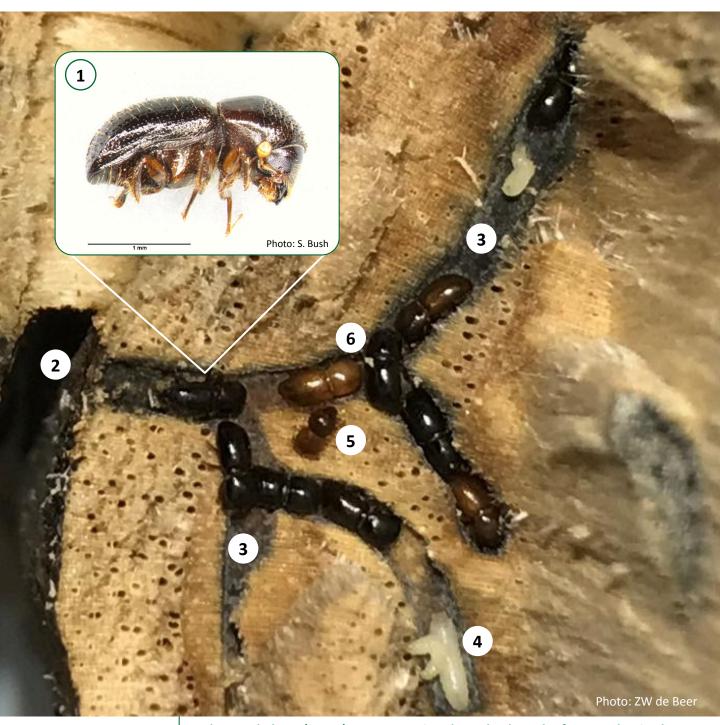


Life stages of the Polyphagous Shot Hole Borer (PSHB) (Euwallacea fornicatus*)





1. The female beetle is most often seen. The adult female is about 2 mm long and once fertilized, can carry more than 30 eggs to the next tree. The female carries the fungus, and inoculates it into the tree as she bores a tunnel.

Background photo (2 to 6): a cross section through a branch of a reproductive host tree infested with PSHB

- 2. Entrance hole in the bark.
- **3.** Breeding and feeding galleries in the sapwood, lined with a moldy layer of spores of the fungus, *Fusarium euwallaceae*. This is the food source for the beetles and larvae.
- **4.** Larvae of the beetle.
- **5.** There is usually only one male per gallery. The adult male is much smaller than the female beetles and cannot fly.
- **6.** Young females are light brown and become darker with age.

Compiled by Z.W. de Beer & T. Paap (Version 2021-03-04) www.fabinet.up.ac.za/pshb

^{*}Some confusion existed about the Latin name of the PSHB [the species that is invasive in South Africa, California and Israel]. It has been referred to as *Euwallacea* nr. *fornicatus* and *Euwallacea whitfordiodendrus*, but as of 2019 the correct name to be used for this species is *Euwallacea fornicatus*.