



# Identification of *Brachaspis* (Acrididae: Brachaspidini): Taxonomy, Ecology and Conservation

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## Abstract

*Brachaspis robustus* (Acrididae: Brachaspidini) is a common and widespread grasshopper in New Zealand. It is currently considered to be a single species, but recent molecular genetic studies have revealed the presence of two distinct lineages: *B. robustus* (sensu stricto) and *B. nivalis* (sensu stricto). A third lineage, *B. collinus*, is also present in the North Island. The present study provides a taxonomic key to identify the three lineages, and discusses their ecology and conservation status. *B. robustus* is found in lowland areas, *B. nivalis* in alpine areas, and *B. collinus* in the North Island. The three lineages are considered to be distinct species, and are given full species status. The present study also provides a key to identify the three lineages, and discusses their ecology and conservation status.



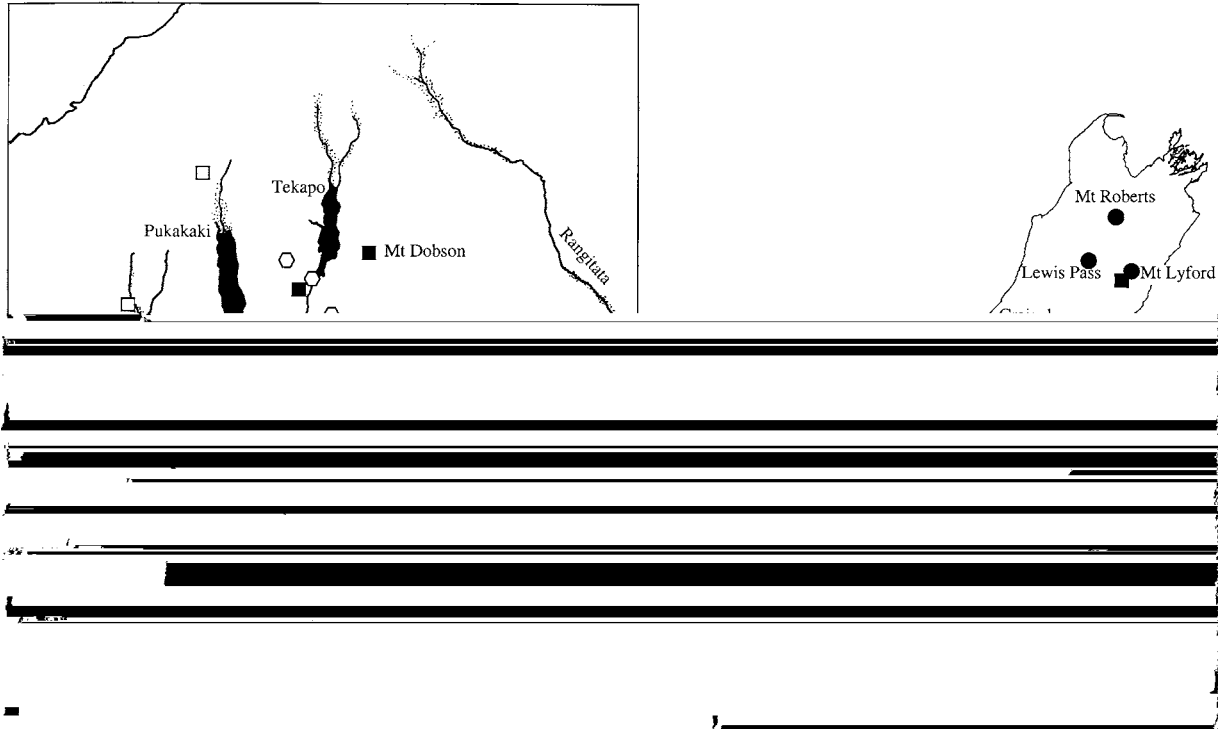
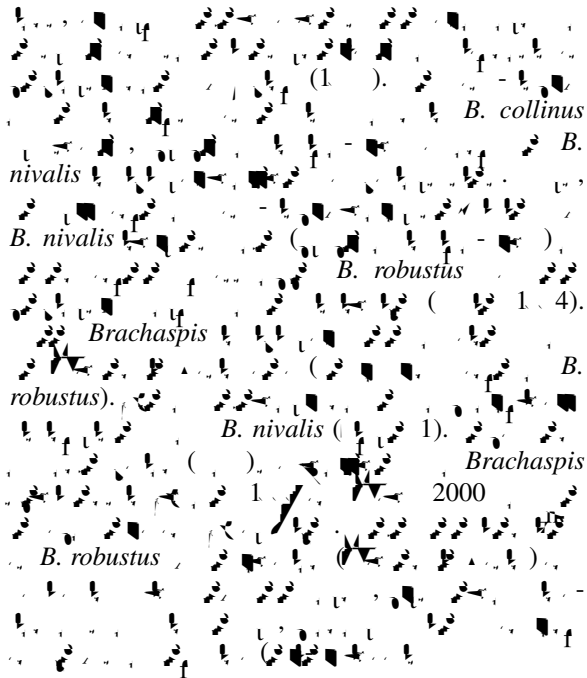
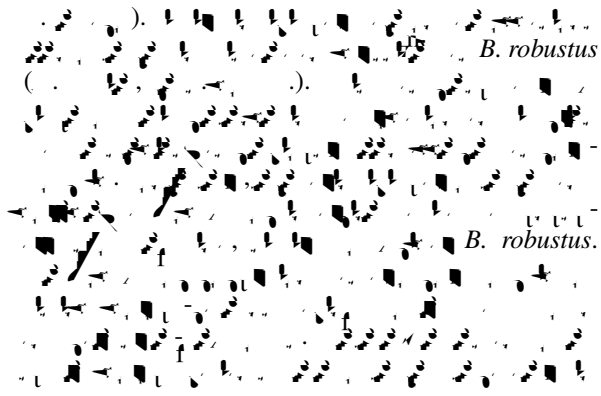


Figure 1. *Brachaspis* sampling locations on the South Island of New Zealand. ■ *B. nivalis*, ● *B. collinus*, ○ *B. robustus*, □ *B. nivalis*. (○ 1, 4), (○ 1), (□ 1), (□ 1).









*Brachaspis* ( )  
*B. nivalis* ( )  
 3 *B. nivalis* ( )  
 ( )  
 ( ) *B.*  
*robustus* ( )  
*B. nivalis* ( )  
*Brachaspis* ( )









(1-2) -  
*J. Wild. Manag.*, **46**, 513-51  
(1- )  
*Pissodes strobi*  
( ). *Insect Mol. Biol.*, **6**

