

SUMMARY

Aconitum firmum (Rchb.) Neilr. and *Bombini* (Apidae) species visiting it in the Tatra National Park

Insects pollinating *Aconitum firmum* flowers in the Tatra National Park (TNP) were studied in the years 1982-1984 and in the end of August 2003. Map of *Aconitum firmum* stations in the TNP was worked out (Fig. 1); investigated localities of *Bombini* sp. are given as well (Fig. 2).

Altogether 9 *Bombini* species were recorded, including 8 *Bombus* and 1 *Psithyrus* ones (Tab. 1). The biggest number of *Bombini* sp. occurred in the Kondratowa Polana glade (8), while in the remaining localities it fluctuated between 1 to 4. *Bombus wurfleini mastrucatus* (recorded in 7 localities) dominated among species visiting *Aconitum firmum*. *B. pratorum* was also worthy of notice (5 localities). Next 7 species were recorded only in 1 to 3 localities. The mean density of *Bombini* sp. fluctuated between 50 to 61 individuals per 200 square meters.

Altogether 3 *Bombini* species occurring in the given localities are included in the Red list of animals in Poland: *B. s. soroeensis* and *B. subterraneus* are endangered and data concerning *Bombus wurfleini mastrucatus* are not complete.

In conclusion, *Bombini* species as the only insects pollinating *Aconitum firmum* flowers have an essential importance for conservation of this plant in the Tatra National Park plant communities.