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**Journal of Forest Science**

**Composition of psocid taxocenoses (Insecta: Psocoptera) in  
dependence**

J. For. Sci., 49 (2003): 208-219

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In 1999– 2000 in the Protected Landscape Area (PLA) Žďárské vrchy hills the occurrence of psocids (Psocoptera) was studied in different types of biotopes: natural forest ecosystems (stands of *Fagus sylvatica* with individual admixture of *Abies alba*, *Acer pseudoplatanus*, *Picea abies*), changed forest ecosystems (monoculture of *Picea abies*), young plantations in forest stands, disperse forest vegetation (solitary trees), and also non-forest ecosystems – agrocenoses, meadows and grazing lands. A total of 10,560 adults in 20 species were found. Three groups of biotopes with specific psocid taxocenosis were found out by computed cluster analysis – 1. natural forest stands with dominance of *Fagus sylvatica*, 2. disperse tree vegetation and solitary trees in cultural landscape, and 3. forest stands remote to nature (monoculture of *Picea abies*). Occurrence of psocids was observed from the beginning of May to mid- November. Maximum of abundance was found in September.

## Keywords:

Psocoptera; types of forest ecosystems; Protected Landscape Area Žďárské vrchy; Žďárský biogeographical region; Czech Republic

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