

Distribution and ecophysiological characteristics of the fungus *Tilletia controversa* in Slovakia

PETER PAULECH¹ and CYPRIÁN PAULECH²

¹ Institute of Experimental Phytopathology and Entomology, Slovak Academy of Sciences, 900 28 Ivanka pri Dunaji,

² Institute of Botany, Slovak Academy of Sciences, Dúbravská cesta 14, 842 23 Bratislava, Slovakia

Paulech P. and Paulech C. (1995): Distribution and ecophysiological characteristics of the fungus *Tilletia controversa* in Slovakia.- Czech Mycol. 48: 207-215

The distribution area of the fungus *Tilletia controversa* Kühn (dwarf bunt) and its host plants range in the Slovakian territory was studied. The mentioned fungus was detected on *Triticum aestivum* L. *Elytrigia repens* (L.) Desv. and on *Elytrigia intermedia* (Host.) Nevski. This contribution contains the basic morphological and ecophysiological characteristics of the fungus populations of infected plants. The fungus is wide-spread especially in central and eastern Slovakia. It was found on winter wheat stands at 777 locations (cadastral territories) and at 4 locations on species of the genus *Elytrigia*.

Key words: *Tilletia controversa* Kühn, distribution, Slovakia, ecophysiological characteristics

Paulech P. a Paulech C. (1995): Rozšírenie a ekofyziologická charakteristika huby *Tilletia controversa* na Slovensku.- Czech Mycol. 48: 207-215

Na území Slovenska bol vymedzený areál rozšírenia huby *Tilletia controversa* Kühn a okruh jej hostiteľských rastlín. Uvedenú hubu sme zistili na ozimnej pšenici (*Triticum aestivum* L.), na pýre plazivom (*Elytrigia repens* (L.) Desv.) a na pýre sivom (*Elytrigia intermedia* (Host.) Nevski). V práci je uvedená základná morfológická a ekofyziologická charakteristika populácie huby a infikovaných rastlín. Huba je rozšírená hlavne na strednom a východnom Slovensku. V porastoch pšenice sme ju zistili na 777 lokalitách (katastrálnych územiach) a na druhoch rodu *Elytrigia* na štyroch.