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Czech J. Genet. Plant Breed.

**Hanzalová A., Bartoš
P.:**

Virulence surveys of wheat leaf rust in the Czech Republic and resistance genes in registered cultivars

Czech J. Genet. Plant Breed., 50 (2014):
241-246

The technical report presents a summary of results obtained in the leaf rust race surveys carried out in Czechoslovakia/Czech Republic in the years 1966– 2001. The physiologic races were determined using the standard differentials Malakoff (*Lr1*), Carina (*Lr2b*), Brevit (*Lr2c*), Webster (*Lr2a*), Loros (*Lr2c*), Mediterranean (*Lr3*), Hussar (*Lr11*), Democrat (*Lr3*) and the additional

differential Salzmünder Bartweizen (*Lr26*). Races 14, 77, 61, 53 and 2 successively dominated in the given period. They mostly appeared in two variants, avirulent and virulent to *Lr26*. Genes for virulence in the leaf rust races were compared with genes for resistance in the registered wheat cultivars listed in the report. Most frequent were the genes *Lr3* and *Lr26*.

Keywords:

Czech Republic; leaf rust pathotypes; *Lr* genes; resistance; wheat

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