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Czech J. Genet. Plant Breed.

P.:

Reaction of wheat, alternative wheat and triticale cultivars to common bunt

Czech J. Genet. Plant Breed., 46 (2010): 14-20

Seventeen winter wheat cultivars registered in the Czech Republic were tested for reaction to common bunt in 2–3 year field trials. Bunt infection of resistant checks Globus and Bill varied between 4.1% and 10.6%; the highest infection in cv. Pitbull reached 85.9%. Of the recently registered cultivars Nikol has a relatively low bunt incidence (26.9%). In addition to bread wheat seventeen triticale, seven durum wheat cultivars, two spelt wheat cultivars and one emmer wheat cultivar were tested in the field and some of them also in the greenhouse. Bunt infection of durum wheats was lower than that of bread wheat cultivars. All seventeen tested triticale cultivars were resistant. The reaction of emmer wheat cultivar and spelt wheat cultivars to common bunt was lower than that of susceptible bread wheat checks.

Keywords:

common bunt resistance; *Triticum aestivum*; *T. durum*; *T. spelta*; *T. turgidum* var. *dicoccum*; × *Triticosecale*; *Tilletia tritici*; *Tilletia laevis*

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