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# **Czech J. Genet. Plant Breed.**

**Gál M., Veisz O., Vida G.:**

## **Seedling resistance to *Stagonospora nodorum* blotch in wheat genotypes**

Czech J. Genet. Plant Breed., 49 (2013): 77-85

In two independent experiments set up in the greenhouse the seedling resistance to *Stagonospora nodorum* blotch was investigated in 92 varieties, breeding lines and genotypes with a known genetic background. The greatest area under the disease progress curve calculated from lesion type was 37.06, while in the case of the most resistant genotype this value was 0.38. Many of the lines and varieties bred in Martonvásár proved to have excellent resistance in terms of both percentage of infected leaf area and lesion type. Observations indicate that, depending on the aim of the experiment, the efficient selection of breeding lines is

possible in the seedling stage either on the basis of the area under the disease progress curve calculated for lesion types, or on the basis of lesion types scored 7, 11 or 14 days after inoculation.

### **Keywords:**

area under the disease progress curve; disease resistance; *Phaeosphaeria nodorum*; *Triticum aestivum*

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