
Screening of Bread Wheat (

**) Genotypes against Septoria tritici
) in North Gondar, Ethiopia**

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ABSTRACT

Bread wheat is one of the most important cereal crops grown in different parts of Ethiopia. However, its production was affected by foliar diseases. Mycosphaerella graminicola is among the most important one. Therefore, screening of wheat genotypes was conducted at Dabat, during the 2021 main cropping season to identify source of resistant for Septoria tritici blotch. One hundred genotypes were evaluated in simple lattice design with 2 replications. The result revealed that none of the genotypes were immune. The majority (61%) of wheat genotypes were had an infection that ranged from highly resistant to moderately resistant and gave a better yield (>5 t-1). About 28% of the genotypes were moderately susceptible. The remaining limited genotypes were within the range of susceptible. All of the studied yield and yield components were negatively correlated with

INTRODUCTION

MATERIALS AND METHODS

Discretion of the Study Area

Experimental Materials

Experimental Design and Procedure

Data Collected

Disease Parameters

Crop Yield Traits

Data Analysis

RESULTS AND DISCUSSION

Diseases Intensity of Bread Wheat Genotypes

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Note: IM – Immune, HR-Highly Resistant, R-Resistant, MR-Moderately Resistant, MS-Moderately Susceptible, S-Susceptible, HS-highly Susceptible

Area Under Diseases Progress Curve for the Tested Genotypes

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Dabat





Crop phenological and yield-related parameters

et al

et al

et al



*Note: *, ** significant at 5% and 1% level of probability, respectively, ns= not significant*

CONCLUSION AND RECOMMENDATION

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