



# 15<sup>th</sup> INTERNATIONAL CEREAL AND BREAD CONGRESS

APRIL 18-21, 2016 ISTANBUL, TURKEY



## BOOK OF ABSTRACTS

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## Rust Reactions of Some Selected Wheat Lines Having High Quality

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Quality analyses and determining reaction of rust diseases are very important at the wheat breeding programmes to select promising lines. Aim of this study was to determine reactions of 7 selected bread wheat genotypes having good quality values at physical characteristics, protein content, gluten content and rheological parameters to local rust populations. Reactions of genotypes were determined at the seedling stage for Yellow rust (YR; *Pst*), Stem rust (SR; *Pgt*) and Leaf rust (LR; *Pt*) in Ankara and at the adult plant stage for YR and SR in Ankara and for SR in Kastamonu 2013-2014 growing season. At the seedling stage, 5 genotypes were found as resistant to YR but all genotypes were determined susceptible to LR and SR. At the adult stage, only 4 genotypes were determined resistant to YR. These 4 genotypes were selected for next yield trial. Besides, they were sent to diseases and quality observation nursery trials to be used in crossing.

**Keywords:** Wheat, quality, breeding, rust