PERFORMANCE OF WHEAT (*Triticum aestivum* L.) TO NaCl STRESS AT EARLY GROWTH STAGES IN SOLUTION CULTURE

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ABSTRACT

Solution culture experiment was conducted to screen out the wheat genotypes against NaCl salinity. 20 wheat genotypes were grown in three treatments viz. control (non-saline), 100 and 200 mol m^{-3} NaCl arranged to completely randomized design with three repeats. Plants were harvested 24 days after imposition of NaCl salinity stress. All genotypes responded differentially at all salinity levels. Increased NaCl concentration reduced the vegetative growth. PGRI-15 and PGRI-5 proved to be the most tolerant to NaCl stress while PGRI-3 proved to be the most sensitive one.

Key Words: Wheat genotypes, NaCl stress, Salinity tolerance.