

Evaluation of chilli (*Capsicum annuum* L.) genotypes for growth, yield and quality under Allahabad agro-climatic conditions

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Abstract: A field experiment was carried out at Horticulture Research Farm, Department of Horticulture, Allahabad School of Agriculture, Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad (U.P.) during November 2015 to April 2016, to study the evaluation of chilli (*Capsicum annuum* L.) genotypes for growth, yield and quality under Allahabad Agro Climatic Conditions. Eleven genotypes were used to study the performances on the basis of growth, yield and quality contributing fifteen parameters *viz.* Plant height (cm), no. of leaves, no. of branches, plant spread (E-W) and (N-S) (cm), fruit length (cm), fruit diameter (cm), fruit weight (g), no. of seeds/fruit, weight of seeds/fruit, no. of fruits/plant, fruit yield/plant, fruit yield/ha, ascorbic acid (mg/100g) and TSS (brix°) were taken into consideration. The highest fruit yield/ha (46.95q) was recorded in the genotype KA-2 (C).

Key Words : Chilli (*Capsicum annuum* L.), genotypes, growth and yield.