

DIFFERENTIAL RESPONSE OF TWO RICE GENOTYPES TO ZINC AND COPPER APPLICATION

S. M. Alam, A. Latif and Zafar Iqbal^{1*}

ABSTRACT

The effect of zinc application with or without copper on yield and composition of rice genotype Basmati-385 and a mutant DM-25 was studied in a pot culture experiment. Rice genotypes responded to Zn application much more in presence of Cu than its application alone. The Zn x Cu interaction significantly increased grain and straw yield and total Zn uptake by both rice genotypes. However, Basmati-385 compared to the mutant DM-25 gave higher response to Zn in the presence of Cu. Higher Zn and Cu uptake by Basmati-385 was attributed to its higher straw yield rather than its differential concentration in grain and straw.