

INTERRELATIONSHIP OF WHEAT YIELD AND YIELD COMPONENTS AS AFFECTED BY VARIOUS LEVELS OF FERTILIZERS

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ABSTRACT

A field study conducted during 1986-87 indicated that there were highly significant differences among fertilizer doses, genotypes and their interaction for all the plant characters studied except for height of the main tiller and 1000-grain weight for which the interaction was non-significant. Fertilizer doses had an increasing effect on yield and its components except on spikelets/spike, where the highest dose show negative for many of the agronomic characters. Correlation co- efficients of yield with other plant characters were positive and non-significant on the average except with spikelets/spike where it was highly significant and with plant height where it was negative. It is concluded that care should be taken in the rate and time of application of fertilizers to the different genotypes for getting tangible results, great attention should be given to grain yield and spikelets/spike for selection.