

## EFFECT OF BORON APPLICATION WITH OR WITHOUT ZINC ON THE YIELD OF WHEAT

S.M. Alam, Zafar Iqbal and A. Latif<sup>1</sup>

### ABSTRACT

Soils of low boron content are wide spread in Pakistan. In the southern regions, some soils also have excessive boron. Many of them are associated with low zinc content. Wheat genotypes grown thereon may reveal substantial variation in grain production. Two field trials were conducted to determine the effect of B application on the yield of wheat as influenced by Zn application. Boron application at the rate of 2.5 kg ha<sup>-1</sup> alongwith 10kg Zn ha<sup>-1</sup> resulted in highest grain yield and application of B at the rate of 10 kg ha<sup>-1</sup> had no adverse effect on grain yield in the subsequent experiment, rather alongwith 5 kg Zn ha<sup>-1</sup> improved grain yield of wheat varieties Inqelab-91 by 11% and that of Pak-81 by 24%. Boron x Zn interaction was positive but non-significant. These results therefore, direct to adding Zn to the wheat crop for improved yield even on soils that are marginally excessive in B content.