COTTON RESPONSE TO ZN AND B APPLICATION IN COTTON AND CENTRAL ZONES OF THE PUNJAB

S. J. A. Sherazi, J. Iqbal, K. H. Gill, M. Ramzan, M. K. Shaheen and Z. Hameed

ABSTRACT

A total of 30 and 5, 29 and 8 replicated field trials were conducted, in cotton and central zones of the Punjab, respectively in the year 1997-99 to evaluate cotton response to Zn and B application. In the first study, Zn was applied @ 5 and 10 kgha^{-1} alongwith NPK+B (160-80-60+1 kg ha^{-1}); while in second experiment B was applied @ 1 and 2 kg ha^{-1} alongwith NPK+Zn (160-80-60+5 kg ha^{-1}). In Cotton zone, Cotton yield increased significantly at higher level i.e. 10 Kg Zn ha^{-1} over NPK+B. The VCR (4.0) and maximum ScNR (4.2) were obtained from the fertilizer treatment NPK +B+10Kg Zn ha^{-1}. In central zone, the cotton yield increased non-significantly with the application of Zn. In cotton zone, cotton yield increased significantly at higher level of B application i.e. 2 kg ha^{-1} over NPK + Zn. The VCR (3.3) and maximum ScNR (3.5) were obtained from the fertilizer treatment NPK+Zn+2 kg B ha^{-1}. In central zone, the cotton yield increased non-significantly due to B application. The VCR (3.0) and maximum ScNR (3.2) were obtained from the treatment 2 kg B ha^{-1} along with NPK+Zn.