MAIZE RESPONSE TO Fe APPLICATION IN CENTRAL AND BARANI ZONES OF THE PUNJAB

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ABSTRACT

A total of 14 and 8 replicated field trials were conducted in Central and Barani zones of the Punjab, respectively in the year 1999-2001 in order to evaluate maize response to Iron (Fe) application. Fe was applied @ 5,10 and 15 kg Fe ha^{-1} along with NPK 175-150-100 kg ha^{-1} in central zone and (120-90-60 kg ha^{-1})in barani zone respectively. In central zone maize yield increased significantly at higher level of 15 kg Fe ha^{-1} over NPK Zn. The VCR (1.6) and maximum GNR (6.0) were obtained from the fertilizer treatment NPK Zn + 15 kg Fe ha^{-1}. In barani zone, the maize grain yield enhanced non-significantly but positively with the application of Fe at all applied levels. The maximum VCR of 2.6 and GNR of 9.2 were obtained from the treatment 5 kg Fe ha^{-1} along with NPK + Zn.

Key Words: Maize yield, Iron application, Barani zone of Punjab.