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Vol. 6 No. 1&2 pp 21-25 (1986) MICRONUTRIENT STUDIES ON THE GRAIN AND STALK YIELD OF CORN AT RAWAT (RAWALPINDI DISTRICT) the depressiones of Pakistan by Kausar et al Ti

FAZLI QAYYUM, SHAH ROZ KHAN AND RUHUL AMIN Land and Water Resources Deptt. NARC, Islamabad. bus don't to meliaridamendo eff. has been allowed as a serior of the business of the destriction of the dest

Field site was selected near Rawat (Rawalpindi District) for conducting micronutrient trial on maize with 9 treatments and 3 replications during kharif 1983. The treatments were (1) control (2) NPK (3) NPK + Micronutrients (B,Cu,Fe,Mn,Mo,Zn), (4) No. 3 minus B, (5) No. 3 minus Cu, (6) No. 3 minus Fee (7) No. 3 minus Cu, (6) No. 3 minus Fe, (7) No.3 minus Mn, (8) No.3 minus Mo and (9) No.3 minus Zn. The crop (variety; changez) was grown under barani conditions. Grain yield was increased by 3 and 3.5 times with the application of NPK (2.05 tons/ha) and NPK + Micronutrients (2.33 tons/ha) respectively over control (0.66 tons/ha). Reduction in the yield was noticed when any of the micronut-rient was not added except Mo, where a further increase of 14 50% ther increase of 14.59% was recorded over treatment No.3 (2.33 tons/ha). Reduction observed without the application of other micronutrients was in the order of 16.67, 11.19, 7.16 and 8.12% for B,Cu,Zn and Mn respectively as compared to treatment 3. No application of Fe had no change in this regard. NPK (T-2) application doubled the stalk yield (10 tons/ha) of corn Reduction of yield (10 tons/ha) of corn. Reduction of 11.25 and 8.34% was estimated at T-3, T-5 or T-6 respectively as compared to NPK treatment. An increase of 25% and 8.33% in stalk yield was recorded in T-8, T-7 or T-9 respectively tively over T-2.

## eduptiving regulation libraria beautipes durable. INTRODUCTION

Results of soil and plant samples analyses have revealed that deficiencies of different plant essential micronutrients are encountered in various areas of Pakistan. Intensive cultivation