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EFFECT OF DIFFERENT LEVELS OF Zn, N & P ON THE EXTRACTABLE ZINC CONTENT OF SOIL AND WHEAT LEAVES AT PREHEADING STAGE

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ABSTRACT.

Effect of different leve of zinc, that is; 0, 2.5, 5.0, 7.5, 10.0 and 12.5 kg zn/ha in the presence of two levels of nitrogen and phosphorus (60 Kg N plus 40 kg P205 and 120 kg N plus 80 kg P205 /ha) on the zinc content of soil and leaves of wheat crop at preheading stage was studied at Agricultural Research Station, D.I. Khan. EDTA was used as an extractant for the determination of zinc in soil.

Zinc content of soil and leaves increased significantly with an increase in zinc fertilization. It also increased with a decrease in fertility level. Critical levels of zinc both in soil and leaves were found to be 7 and 36 ppm, respectively.

INTRODUCTION

Zinc deficiency is one of the most widespread trace elements deficiencies. Zinc deficiency symptoms in crops can be used as a diagnostic technique for its deficiency, however, such symptoms