

## EFFECT OF MICRONUTRIENT FERTILIZERS APPLICATION ON CROP YIELD AND NUTRIENT CONCENTRATION IN GRAIN

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**Abstract:** Micronutrients play very specific role like other essential nutrient elements in the plants. Deficiency of these nutrient elements can't be rectified by the application of other nutrient elements. There is a mining of micronutrients in upper fertile soil from agriculture fields. It is due to adoption of high yielding varieties, use of micronutrient free high analysis fertilizers, less use of manures, unbalanced fertilizer use etc. Deficiency of micronutrients such as zinc (Zn), manganese (Mn) and iron (Fe) is a worldwide nutritional constraint in crop production. Many approaches have been elected to boost the Zn and Fe content in crops and ameliorate their malnutrition, including breeding, genetic engineering, and agronomic approaches. In the present review of studies it is concluded that micronutrient application through foliar treatment performs better than other application methods. Application of combined soil + foliar application of micronutrient fertilizer significantly increased the grain micronutrient content as compared to other treatments.

**Keywords:** Crop, Grain, Fertilizers, Malnutrition, Micronutrient

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