

The effects of micronutrient fertilizers, ferrous sulfate and zinc on the yield and yield components at different cultivars of maize (*Zea mays*) in the Sistan region

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ABSTRACT:

Plants generally take up minerals from soils through their roots although minerals can be supplied to plants as fertilizers by foliar sprays. Foliar nutrition is a relatively new and controversial technique of feeding plants by applying liquid fertilizer straight to their leaves. Throughout the world, micronutrient such as Fe, Zn, Mn and Cu are added to foliar fertilizers, in order to atone their deficiency especially in arid and semi-arid regions. The test was conducted in the Sistan region. Mixture of soil sampling was done in the empirical area before the infliction of treatments and was analyzed for physical and chemical specifications. The field experiment was laid out factorial with randomized complete block design with four replications. Analysis of variance showed that the effect of cultivar on all characteristics was significant.

Keywords:

Biological yield, Grain yield, Harvest index