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Research Article

To analyse the micronutrients (Fe, Zn, Mn and Cu) status in sampled soil of Malkharauda block in Janjgir-Champa (C.G.)

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Summary

This study was conducted to evaluate micronutrients status of Malkharauda block in Janjgir-Champa district of Chhattisgarh covering 110 villages during 2011-2012. The systematic collection of samples in geo–referenced surface (0-15cm) soils samples from 2640 sites representing *Inceptisols*, *Alfisols* and *Vertisols* using Global Positioning System and mapped on 1:4000 Scale. The samples were analyzed for DTPA-extractable zinc, copper, iron and manganese content for delineation of the fertility status in relation to salient physico-chemical characteristics. The study revealed that the DTPA-extractable copper content ranged from 0.2 to 11.1 mg kg^{-1}. The available Mn, Fe and Zn content ranged from 3.9 to 66.0, 3.2 to 66.0 and 0.1 to 6.2 mg kg^{-1}, respectively. These results indicated that zinc is likely to be constraint for crop production in soils of Malkharauda block.

Key words : Micronutrients, *Inceptisols*, *Alfisols* and *Vertisols*

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