

Research Article

DOI : 10.15740/HAS/AJSS/11.1/155-158

Micronutrient level in relation to other soil properties of Koronivia, Fiji

■ INDRA RAJ SINGH

Received : 15.02.2016; Revised : 11.04.2016; Accepted : 07.05.2016

AUTHOR FOR CORRESPONDENCE:

INDRA RAJ SINGH
Department of Fisheries and
Forestry, College of Agriculture, Fiji
National University, KORONIVIA,
FIJI
Email: indrarajsingh@gmail.com

Summary

The aimed this study was to evaluate available micronutrient (Fe, Cu, Mn and Zn) status and their relationship with the soil properties. Twenty four soil samples were collected from various locations of Koronivia, Fiji to determine properties of soil. The available micronutrient (DTPA extractable) viz., Fe, Mn, Cu and Zn were analyzed using atomic absorption spectrophotometer. The laboratory analyzed data revealed that soils of the study area are acidic in nature with low values of organic carbon and electrical conductivity. Available micronutrients analysis revealed that iron (Fe), manganese (Mn) and copper (Cu) were found to be sufficient in most of the soil samples, whereas, available zinc (Zn) was found to be deficient in most of the were analyzed samples. Further, pH showed a positive correlation with Cu and negative correlation with Mn. Organic carbon showed a positive correlation with Fe and Mn. CEC showed positive correlations with Fe, Mn and a negative correlation with Zn.

Key words : Soil properties, Available micro nutrients, Koronivia

How to cite this article : Singh, Indra Raj (2016). Micronutrient level in relation to other soil properties of Koronivia, Fiji. *Asian J. Soil Sci.*, **11** (1) : 155-158 : DOI : **10.15740/HAS/AJSS/11.1/155-158**.