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AGRICULTURAL SOIL STUDY BASED ON ELECTRICAL CONDUCTIVITY OF SAURASHTRA AREA OF GUJARAT STATE

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ABSTRACT

Agriculture land of three districts of Gujarat state, which falls in Saurashtra region are selected for the present study. Total 180 agricultural soil samples from Kutch, Junagadh and Surendranagar districts of Gujarat state are investigated. Soil samples are collected by authorized locally trained farmers and brought for analysis to Soil Test Laboratory in respective districts approved by Government of Gujarat under soil health card program. Macro and micro **nutrients and soil properties of three districts are studied, analyzed and compared by discriminate analysis and correlation analysis. Electrical conductivity of studied samples is in 0 - 2 range i.e. salt free range. The result shows that e**xcept some nutrients, macronutrients show positive correlation and micronutrients show negative correlation with EC in studied sites. **Present study leads to concludes that the use of statistical analysis can be a strong and scientific analytical tool for agricultural soil evaluation and fertility management.**

KEYWORDS: Electrical Conductivity, Junagadh, Micronutrients, Saurashtra, Soil Properties