

## **SOIL STUDY BASED ON ELECTRICAL CONDUCTIVITY OF AGRICULTURAL LAND OF TAPI DISTRICT IN GUJARAT**

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### **ABSTRACT**

Agriculture soils 800 samples (0-20cm) representing 32 villages of Tapi district in Gujarat state were investigated. Selected samples were collected from Government of Gujarat under soil health card programme. Soil samples were collected by authorized locally trained farmers and brought for analysis to Soil Test Laboratory. Standard Methods were applied for the soil analysis. Soil parameters, namely pH, EC, C, P and K were considered for study. The aim of this study is to evaluate agricultural land through electrical conductivity and their correlation ship. Discriminate analysis and Correlation analysis are used for statistical data treatment. In present study the electrical conductivity of all samples (100%) is in salt free (0-2) range and it indicates that the study area fairly fit for agriculture. For the present tillage system this paper concludes that the application of statistical treatment can give a scientific stand for agriculture soil fertility management.

**KEYWORDS:** Electrical Conductivity, Salt Free, Soil Fertility, Soil Parameter, Tapi