

# DISTRIBUTION PATTERN OF AVAILABLE NUTRIENTS UNDER MAIZE-POTATO -SUGARCANE CROPPING SEQUENCE IN DAURALA BLOCK OF MEERUT DISTRICT (UTTAR PRADESH)

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**Abstract:** The present investigation was undertaken to study of chemical properties of Daurala block Soil (district Meerut) under maize-potato - sugarcane cropping system. The depth wise soils samples in maize-potato - sugarcane cropping system at five different locations were analyzed for pH, EC, organic carbon, total nitrogen, macro and micronutrients. The surface and sub surface soil were in neutral to alkaline and none of the soil was found to be saline category. The organic matter content declined with soil depth, varied from 0.20 to 1.01 % at surface and sub surface soil. The available N, P and K 161 to 220, 8.1 to 42.9 and 144 to 379 kg ha<sup>-1</sup> at surface and sub surface soil and declined with increasing soil depth. Among the different micronutrients with exception of zinc and Fe, the availability of Cu and Mn micronutrients were in sufficient range. The availability of these micronutrients declined with increase in soil depth.

**Keywords:** Micro nutrients, Soil fertility, Maize, Potato

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