DISTRIBUTION PATTERN OF AVAILABLE NUTRIENTS UNDER RICE –WHEAT CROPPING SEQUENCE IN DAURALA BLOCK OF MEERUT DISTRICT (UTTAR PRADESH)

Satendra Kumar, Vaibhav Kumar, Pramod Kumar, Pardeep Kumar*, U.P. Shahi, S.P. Singh, Ravindra Kumar and Amit Kumar

Department of Soil Science, S.V.P.U.A & T, Modipuram, Meerut-250110
** Corresponding author (sehravat@gmail.com)*

Abstract : The present investigation was undertaken to study of chemical properties of Daurala block Soil (district Meerut) under rice - wheat cropping system. The depth wise soils samples in rice wheat cropping system at five different locations were analyzed for like 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 1.13 % at surface and sub surface soil. The available N, P and K 124 to 213, 8.8 to 38.6 and 169 to 450 kg ha^{-1} 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 : Available N, P, K , Micro nutrients, Soil fertility and Rice - wheat cropping sequences

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