

Soil Properties and Fertility Management with Respect to *Capsicum* (*Capsicum annuum* L.) Production in Nairobi Peri-urban Counties

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Abstract

The study aimed at assessing the soil fertility status in the peri-urban counties of Nairobi (Kiambu, Kajiado, and Machakos) for *Capsicum* production. In these counties, the potential of producing *Capsicum* is not known as farmers continue to grow *Capsicum* without clear guidelines. Thus, there is a need to determine the nutrient distribution in the soils for optimal *Capsicum* production. Ninety (90) soil samples were collected randomly following a zigzag pattern and analyzed for both macronutrients and micronutrients, i.e., total nitrogen (TN), phosphorus (P), potassium (K), calcium (Ca), sulfur (S), magnesium (Mg), iron (Fe), manganese (Mn), boron (B), copper (Cu), and zinc (Zn). KoBoCollect application was used to
