

Physico-chemical Properties and Soil Fertility Status of Maize Growing Areas of Krishna delta, Andhra Pradesh

V Siva Jyothi, P Prasuna Rani, K V Ramana, P Ratna Prasad and M Sree Rekha
Department of Soil Science & Agricultural Chemistry, Agricultural College, Bapatla 522 101,
Andhra Pradesh

ABSTRACT

A study was conducted to assess the physico-chemical properties and fertility status of maize growing soils of Krishna delta region, Andhra Pradesh. The soils were neutral to moderately alkaline in reaction, non-saline to slightly saline and low to medium in organic carbon content in both surface and sub-surface samples. The soils were found to be slightly to moderately calcareous. Regarding soil fertility status, available nitrogen was low to medium in surface samples whereas, low in sub-surface samples. Surface samples were medium to high in available Phosphorus and low to high in sub-surface samples. Available potassium content was low to high in both surface and sub-surface samples. Available zinc and iron contents were ranged from deficient to sufficient while, sufficient in available manganese and copper.

Key words: pH, EC, macro and micro nutrients, .