

Nutrient Status of Vegetable Growing Soils of Guntur District, Andhra Pradesh

A Sathish, P Prasuna Rani and M Seshagiri Rao

Dept. of Soil Science & Agricultural Chemistry, Agricultural College, Bapatla 522 101, A.P.

ABSTRACT

Horizon wise soil samples of six profiles representing red and black soils in the vegetable growing area of Guntur district were studied for their fertility status. All the soils were low to medium in available nitrogen. The P content was medium at the surface and low in subsurface horizons. The K content was medium to high and the sulphur content was sufficient at the surface of the black soils but deficient in red soils and lower horizon of black soils. Total N and P followed a decreasing trend, whereas total K values varied widely. All the samples were sufficiently rich in Mn and Cu, but deficient in Fe. Surface black soils recorded relatively high Zn but red soils and other horizons in black soils recorded Zn values less than the critical limit

Keywords: Black soils, Fertility status, Macro and micronutrients, Red soils.