

Organic Carbon and Macronutrient Status in the Cotton Growing Soils in Different Mandals of Guntur Division

Debiprasad Senapati, K Veeraiah, G V Lakshmi and K Srinivasulu
Department of Soil Science and Agricultural Chemistry, Agricultural College,
Bapatla 522101
Andhra Pradesh

ABSTRACT

A survey was conducted during August to December of 2010 in cotton growing areas of fifteen mandals in Guntur division in Guntur district, Andhra Pradesh to study the organic carbon and macronutrient status and their effect on cotton kapas yield. The results revealed that the soils were low in organic carbon and available nitrogen but high in available phosphorus and potassium. All the secondary nutrients (Ca, Mg and S) were found to be high. The available potassium and calcium were positively and significantly correlated with the cotton kapas yield whereas the available magnesium and sulphur were significantly and negatively correlated with the kapas yield.

Key words : Cotton kapas, Macro nutrients.