

Survey on Fertility Status of Cashew Gardens in Coastal Districts of Andhra Pradesh

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ABSTRACT

Thirty six soil samples were collected from coastal districts of Andhra Pradesh, from different depths (0-15, 15-30 and 30-45 cms) of ten- year old cashewnut plantations and were analyzed adopting standard procedures during 2006. In general these soils were nearer to neutral and slightly alkaline in reaction and free from salt stress. Available N, P, K, S, Ca, Mg, Mn, Zn and Fe ranged from 141.23 to 384.36 kg ha⁻¹, 13.29 to 28.12 kg ha⁻¹, 144.42 to 189.80 kg ha⁻¹, 10.46 to 25.12 ppm, 1.71 to 2.45 [cmol (P⁺) kg⁻¹], 0.06 to 0.84 (cmol (P⁺) kg⁻¹), 5.42 to 13.25 ppm, 1.03 to 1.37ppm and 3.77 to 9.24 ppm, respectively. The availability of all the nutrient contents decreased with increasing depth of soil.

Key words : Cashew, Soil nutrients