

Soil-site Suitability Evaluation for Commonly Growing Crops in Vadamalapeta Mandal of Chittoor district, Andhra Pradesh

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ABSTRACT

The soils of Vadamalapeta Mandal of Chittoor district, Andhra Pradesh were evaluated for their suitability to groundnut, rice and sugarcane crops. The major limitations in Typic Haplustalfs are pH, organic carbon, texture, soil depth and alkalinity. In Typic Ustifluvents pH, organic carbon, texture and alkalinity are the factors causing limitation for crop growth. Organic carbon, pH and texture are the limitations for the crop growth in Vertic Haplustepts and Typic Haplustepts. However, wetness, texture, pH, organic carbon and alkalinity are the major limitations for all the three crops in Typic Ustortents.

Key words : Land evaluation, Limitations, Potentials, Soil taxonomy.