

Mapping of Soil Salinity and p^H For Pathareddy Palem Pilot Area of Krishna Western Delta

**L M Nagendra Kumar M, D Sai Gangadhara Rao, H V Hema Kumar, P R K Prasad
and P Venu**

College of Agricultural Engineering, Bapatla - 522 101, Andhra Pradesh

ABSTRACT

Soil salinization is a major form of land degradation in agricultural areas, where information on the extent and magnitude of soil salinity is needed for better planning and implementation of effective soil reclamation programs. Areas affected by salinization in Pathareddy Palem pilot area under Mutlur command area in Krishna Western Delta were studied using data obtained from Soil Science Division, APWAM, Bapatla. The main objectives of the study are to identify the areas affected with salinity in Pathareddy Palem in Mutlur command area, Krishna Western Delta and to draw soil salinity (1.6-61.3 dS m⁻¹, 0.94-43.2 dS m⁻¹) and p^H(6.7-8.4, 6.7-8.3) maps using Surfer 7.0 software for the years 2005 and 2006 respectively.

Key words : Electrical conductivity, Salinity, pH, Surfer.