ABSTRACT

Soil and land resource inventory of Pallichal Panchayat was undertaken by the soil survey wing of the Department of Agriculture during March 2006 to assess the resources of the area to identify the problems and suggest suitable development programmes for sustained and integrated development of the area. Pallichal panchayat is located on the southern part of Thiruvananthapuram taluk in Thiruvananthapuram district and extends over 1833.5 ha. The panchayat lies in midland region. The major crops in the panchayat are coconut, tapioca, banana and vegetables. During the course of soil survey, five soil series were identified viz; Vizhinjam, Neyyattinkara, Vilappil Pallichal ,Mukkunni and Marukil. Vizhinjam series extends over the major area. The soils are classified into three land capability classes and three land irrigability classes. The predominant land capability class is IVe and land irrigability class is 4t. Interpretative studies include crop suitability, production potential and hydrologic grouping. Various interpretative maps viz; soil, land capability and irrigability map, soil conservation priority map, proposed land use map, fertility map etc. are appended.