ABSTRACT

Soil and land resource inventory of Kallara panchayat was undertaken by the Soil Survey wing of the Department of Agriculture to assess the resources of the area, to identify the problems and suggest suitable development programmes for sustained and integrated development of the area. It is located in Nedumangad Taluk of Thiruvananthapuram District and extends over 2677 ha. The panchayat lies in mid land and mid up land region. The major crops in the panchayat are rubber, coconut, pepper, tapioca, banana and vegetables. During the course of soil survey, seven soil series were identified viz; Aryancode, Nedumangad, Vilappil, Palode, Mudakkal, Koditukki and Vembayam. Nedumangad series extends over the major area. Vembayam series is the wetland soil seen in the panchayat. The soils of Kallara panchayat are classified into eight land capability classes and seven land irrigability classes. The predominant land capability class is IVe and land irrigability class is 4t. Interpretative studies include crop suitability, production potential, hydrologic grouping etc. Various interpretative maps viz; soil and land capability map, irrigability map, soil conservation priority map, proposed land use map, etc. are appended.