ABSTRACT

Soil and land resource inventory of Vembayam 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.

Vembayam panchayat is located in Nedumangad Taluk of Thiruvananthapuram District and extends over 3058 ha. The panchayat lies in mid land and mid up land region. The major crops in the panchayat are rubber, coconut, tapioca, banana, paddy and vegetables. During the course of soil survey, seven soil series were identified viz; Aryancode, Trivandrum, Nedumangad, Vilappil, Koditukki, Amaravila and Kuttichal. Aryancode series extends over the major area. Amaravila and Kuttichal series are the wet land soils seen in the panchayath. Converted paddy fields in the area has been classified as miscellaneous soil.

The soils of Vembayam 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 6st. Interpretative studies include crop suitability, production potential, hydrologic grouping etc. Various interpretative maps viz; soil and land capability and irrigability map, soil conservation priority map, proposed land use map, etc. are appended.