ABSTRACT

This report deals with the soil and land resources of Chennithala-Thrippurumthura panchayat of Mavelikkara taluk of Alappuzha district. The report gives a detailed account of the general characteristics of the panchayat viz., area, soils, major problems and management requirements, interpretations and recommendations for various uses.

The panchayat is located in the north western part of the district and covers an area of 2254 ha. The wet lands occupy an area of 1286 ha where paddy is cultivated. Gardenland covers an area of 851 ha with coconut as the major crop. Tapioca, sesamum, and banana are the other garden land crops. Mannar is the only soil series identified in the garden lands. The major portion of the wet land is under Champakulam series (562 ha) followed by Ramankary series (423 ha). Cherukole (202 ha) and Vetticode (99 ha) are the other wetland soils. An area of 37 ha of paddy fields are converted to garden lands and cultivated to coconut, tapioca etc.

Based on the characteristics of the soils, three land capability classes such as II, III and IV are and three land irrigability classes viz. 2,3 and 4 were recognised. IVw is the predominant land capability subclass and 4d, the land irrigability subclass. Other interpretative studies like hydrologic grouping, crop suitability, soil fertility and production potential of the soils were made. The main problems encountered in the panchayat are dealt with briefly. Interpretative maps are appended.