ABSTRACT

The soil and land resources report of Chennam- Pallipuram panchayat gives a detailed account of the general characteristics of the area, soils of the area, major problems and management requirements, interpretations and recommendations for various uses.

The panchayat spreads over an area of 2553 ha and is located in the north eastern part of Cherthala taluk in Alappuzha district. The garden land covers an area of 1345 ha and is cultivated with coconut, tapioca, banana etc. Wetland covers an area of 110 ha, where paddy is cultivated. Kayal area account for about 1098 ha in the panchayat. The soil series identified in the panchayat are Kavur, Ariyad and Cherukole. Kavur occupies the major portion of the garden land (1071ha).

Based on the characteristics of the soils, two land capability classes such as III and IV and two land irrigability classes viz.2 and 3 were recognised. IVws is the predominant land capability subclass and 3ds 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.