ABSTRACT

Soil and land resource inventory of Perumbalam panchayat was undertaken by the Soil Survey wing of the Department of Agriculture during June - July 2005 to assess the resources, to identify the problem and to suggest suitable development plans for the area. The report gives a detailed account of the general characteristics and soils of the area, major problems and management requirements, interpretations and recommendations for various uses.

Perumbalam panchayat comprising an area of 1638 ha is located in Cherthala taluk of Alappuzha district. The panchayat is an island surrounded by Vembanad kayal and 922 ha comes under kayal and streams. The garden land covers an area of 601 ha and coconut based mixed cropping is prevalent. The wetland covers an area of 115 ha. Two crops of paddy is raised in 75 ha of wetlands. During the survey three soil series have been identified in the panchayat. Kavur (329 ha) and Kattur (272 ha) are the soils identified in the garden land. Cherukole (115 ha) is the only soil identified in the wetland. The panchayat comes under lowlands and floods are the major problems. The land capability class encountered are III and IV and 3 is the land irrigability class. IVs is the predominant land capability subclass and 3s, the land irrigability subclass. Loamy sand is the predominant surface texture. In general the soils are very deep and the erosion is slight or nil. Fertility studies, hydrologic grouping and production potential are undertaken. Interpretative maps are appended.