ABSTRACT

This report deals with the soil and land resources of Pramadom panchayat of Kozhencherry taluk of Pathanamthitta 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.

Pramadom panchayat comprises an area of 3710 ha. Of which wet land area covers 275.77 ha and garden land occupies 3325 ha. An area of 57.23 ha of wet land have been converted for the cultivation of upland corps like coconut, tapioca, banana and vegetables. Rubber is the major crop of uplands followed by coconut. Coconut, banana, tapioca, Areca nut, fruit trees and other tuber crops are grown as mixed crops or intercrops in the homestead.

Based on the detailed soil survey five soil series were identified in the panchayat. They are Chethakkal, Puthenpeedika, Ayroor, Mallasseri and Sooranad. Wet lands belong mainly to Mallasseri series and a minor portion to Sooranad soil series. Six land capability classes, namely, IIIw, IIIe, ILIes, IVe, IVes, VIe and VIes and seven land irrigability classes, namely, 2t, 3d, 3t, 3st, 4t, 4st and 6st were identified in the panchayat based on the characterestics. Other interpretative studies like crop suitability, soil fertility, hydrologic grouping and production potential of the soils were made. Soils of the panchayat are medium to high in nitrogen, phosphorus and potassium contents. The information provided in the report include location specific problems and their management practices for the integrated development of the panchayat. Interpretative maps are appended.