ABSTRACT

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

Karunagappally panchayat in Karunagappally taluk of Kollam districts extends over an area of 1865 ha. Mannar, Neendakara, Sooranad and Cherukole are the soil series identified in the panchayat during the soil survey conducted in the area from July to September 2001. Coconut is the major crop cultivated which occupies an area of 1140ha. Mannar series is the major soil series of the panchayat extending to 535.68ha. Loamy sand is the predominant surface texture of the soils occurring in the panchayat. The area is nearly level to very gently sloping with slight erosion. Three land capability classes and three land irrigability classes are encountered in the panchayat. The major land capability subclass is IIe and land irrigability subclass is 2s. Crop suitability classification, hydrologic grouping, and production potential, fertility status are briefly described in the report. The major problems of the panchayat are briefly described and measures for overcoming them are suggested in the report. Various interpretative maps are appended along with the report.