ABSTRACT

This report deals with the soil and land resources of Maranallur panchayat of Neyyattinkara taluk of Thiruvananthapuram 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.

Maranallur panchayat with an area of 2524 ha. is located in Neyyattinkara taluk of Thiruvananthapuram District. The garden land covers about 2144.82 ha. The wet land covers an area of 379.55 ha. Out of the total area under cultivation the major area is occupied by tapioca followed by coconut. The area under paddy cultivation is low when compared to the total area under wet land which is about 72.40 Ha. Among the garden lands soils, Vizhinjam series occupies the major area of 1187.5 ha followed by Vilappil series of 845.08 ha. Marukil series form the wet land soils with an area of 307.15 ha.

Studies reveal that the yields of crops in both wet and garden lands are low due to unscientific crops and soil management practices. There is ample scope to increase the yield economically if the farmers are advised to adopt certain simple management practices like addition of organic matter, providing irrigation, adoption of soil conservation and plant protection measures, liming, correction of nutrient deficiencies etc., to overcome the limitations posed by the soils in the area.