ABSTRACT

The soil and land resources report of Thamarakulam panchayat 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.

Thamarakulam panchayat comprising an area of 2090 ha is located in Mavelikkara taluk of Alappuzha district. The panchayat has a garden land area of 1531 ha and 390 ha of wet land. Out of 390 ha only 17 ha is under puncha crop. Major crops of the garden land are coconut and rubber. Tapioca, banana, pepper etc. are also grown mainly in homesteads in mixed cropping pattern. Paddy is taken in three seasons.

Land capability classes noticed in the panchayat are III w, III e, IV e and IV w. Land irrigability classes noticed in the panchayat are 2d, 2t, 3t, 4d and 4t. Crop suitability classification reveals the importance of adopting mixed or intercropping in lower physiographic regions and less tillage requiring crops in the elevated areas. Proper crop selection and adequate utilization of natural resources without degrading the environment can lead the panchayat to self sufficiency. The survey was conducted during the period January-February 1999.