ABSTRACT

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. Thalayolaparambu panchayat with an area of 2063 ha. is located in Vaikom taluk of Kottayam district. About 955 ha. is under wetland and 217 ha. is under Tharissu and Purampokku and the rest is under dry land.

The garden land covers about 891 ha. of which 325 ha. is under Rubber and the rest is occupied by Tapioca, Banana, Ginger, Pulses, Vegetables etc. The wet land covering an area of 955 ha. is mainly put under paddy. In few area, vegetables are cultivated on a small scale.

Among the dry land soils Brahmanangalam series occupies the major area of 452 ha. followed by Kottappuram series of 446 ha. and Udayamperoor series of 210 ha.

Purakkad, Manjoor, Changanacherry and Marady series form the major wetland soils with an area of 509 ha., 278 ha., 88 ha. and 80 ha., respectively.

Coconut is well suited on all the other garden land soils except certain portion of the panchayat which the slopes are a little above 20% and low ground water table. Banana and pepper can be grown as intercrop in between coconut palms. The portion of Udayamperoor series occupying the valley fringes are well suited for vegetable cultivation.

Studies reveal that the yield of crops in both wet land and garden lands are low since the cultivators are not adapting the modern agricultural practices properly.

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.