ABSTRACT

Soil and land resource inventory of Kanjoor panchayat was undertaken by the Soil Survey wing of the Department of Agriculture during 2009 to assess the resources of the area, to identify the problems and to suggest suitable development programmes for sustained and integrated development of the area.

Kanjoor panchayat is located in Aluva taluk of Ernakulam district and extends over 1432 ha. The garden lands cover an area of 795 ha and are mainly cultivated with coconut, arecanut, banana, tapioca, etc. The total area under wetland is 298 ha. Paddy is cultivated in an area of 298 ha. The wetlands are used for raising garden land crops or fallowed. An area of 188 ha of the wetlands is converted for the cultivation of tapioca, banana etc or used for non-agricultural purposes. The soil series identified in the garden land are Perumbavoor, Irapuram, Kurichilakode and Punnamattom. The major portion of the garden land is under Perumbavoor series (441ha) followed by kurichilakode series (189 ha). Ikkaranadu (279 ha), and Kothamangalam (19 ha) are the soils identified in the wetlands.

Based on the characteristics of the soils, land capability subclasses IIw, IIe, Ills, and IVes and land irrigability subclasses 2d, 3t, 3st and 4st were recognized in the panchayat. Ills and 3st are the predominant land capability class and land irrigability class respectively. Other interpretative studies like hydrologic grouping, crop suitability, fertility and production potential of the soils are also included in the report. The problems encountered in the panchayat are dealt with briefly. Interpretative maps are appended.