ABSTRACT

Different types of soil surveys are carried out in the state for providing basic data to the user agencies, which could be interpreted to various soil based uses. Panmana panchayat extends over 1685ha in Karunagappally taluk of Kollam district. Soil Survey of this panchayat was started during 2002-03, with a view to collect resource data with special emphasis on soil aspects. These were then classified and interpreted to arrive at location specific soil, land and water management suggestions for the integrated and sustainable development of the panchayat. Eight soil series identified in the panchayat are Ochira, Neendakara, Panmana and Sooranad series. Ochira series soils cover the maximum area. Three land capability and land irrigability classes are encountered in the panchayat. The major land capability subclass is IVs and land irrigability sub class is 4s. Relevant maps on soil, land capability and land irrigability, soil conservation priority, fertility status and crop suitability have been prepared and appended.