ABSTRACT

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

Mudakkal panchayat is located in Chirayinkeezh taluk of Thiruvananthapuram district and extends over 2746 ha. The panchayat lies in the mid land region. The major crops in the panchayat are coconut, tapioca, banana, rubber and vegetables. During the course of soil survey nine soil series were identified viz Trivandrum, Thonnakkal, Pangappara, Nedumangad Aryancode, Vilappil, Mudakkal, Vembayam and Amaravila series. Aryancode series extends over the major area.

The soils of Mudakkal panchayat are classified into four land capability classes II, III, IV & VI and five land irrigability classes 2, 3, 4, 5 & 6. The predominant land capability class is IVe and land irrigability class is 5t. Interpretative studies include crop suitability, production potential, hydrologic grouping etc. Various interpretative maps viz; soil, land capability and land irrigability map, soil conservation priority map, proposed land use map, fertility map etc. are appended.