ABSTRACT

Soil and land resource inventory of Kunnamangalam panchayat was undertaken by the soil survey wing of the Department of Agriculture during June – August 2004 to assess the soil and land resources of the area to identify the problems and to suggest suitable development programmes for sustained and integrated development of the area.

Kunnamangalam panchayat is located in Kozhikode taluk of Kozhikode district and extends over 2723 ha. The panchayat lies in lowland and midland region. The major crops in the panchayat are coconut, arecanut, cashew and pepper. Paddy is cultivated only in 65 ha.

During the course of soil survey, eight soil series were identified viz; Nanminda, Kunnamangalam, Chaliar, Kalarikkunnu, Memmala, Thiruvampady, Tanneramala and Kakkodi. Nanminda series extends over the major area. Kakkodi series is the wetland soil seen in the panchayat.

The soils of Kunnamangalam panchayat are classified into eight land capability subclasses and ten land irrigability subclasses. The predominant land capability subclass is IIIe and land irrigability subclass is 4t. Interpretative studies include land capability, land irrigability, crop suitability, production potential and hydrologic grouping. Various interpretative maps viz; soil and land capability and irrigability map, soil conservation priority map, proposed land use map etc. are appended.