ABSTRACT

Soil and land resource inventory of Kizhakoth panchayat was undertaken by the soil survey wing of the Department of Agriculture during 2005 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.

Kizhakoth panchayat is located in Kozhikode taluk of Kozhikode district and extends over 1984.00 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 52 ha.

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

The soils of Kizhakoth panchayat are classified into five land capability subclasses and six 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.