ABSTRACT

Soil and land resource inventory of Chirayinkeezh panchayat was undertaken by the soil survey wing of the Department of Agriculture during February 1997 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.

Chirayinkeezh panchayat is located on the south west part of Chirayinkil taluk in Thiruvananthapuram district and extends over 1087 ha. The panchayat lies in lowland and midland region. The major crops in the panchayat are coconut, tapioca, banana, paddy and vegetables. During the course of soil survey, five soil series were identified viz; Chirayinkil, Thonnackal, Poovar, Amaravila and Vembayam. Chirayinkil series extends over the major area. The soils of Chirayinkeezh panchayat are classified into five land capability classes and five land irrigability classes. The predominant land capability class is IIIe and land irrigability class is 3t. 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.