ABSTRACT

Soil and land resource inventory of Keezhuvalam panchayat was undertaken by the soil survey wing of the Department of Agriculture during December 2005 – January 2006 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.

Keezhuvalam panchayat is located on the southern part of Chirayinkeezhu taluk in Thiruvananthapuram district and extends over 1574.35 ha. The panchayat lies in lowland and midland region. The major crops in the panchayat are coconut, tapioca, banana, paddy and rubber. During the course of soil survey, nine soil series were identified viz; Amaravila, Vembayam, Marukil, Mudakkal, Chirayinkil, Thonnakkal, Trivandrum, Pangappara and Nedumangad. Nedumangad series extends over the major area followed by Thonnakkal series. The soils of Keezhuvalam panchayat are classified into six land capability classes and eight land irrigability classes. The predominant land capability class is IVe and land irrigability class is 5t. 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.