ABSTRACT

This report deals with the soil and land resources of Kalanjoor panchayat in Adoor taluk of Pathanamthitta district. The report gives a detailed account of the general characteristics of the panchayat viz., area, soils of the area, major problems and management requirements, interpretations and recommendations for various uses.

The panchayat spreads over an area of 6601 ha and is located in the north eastern part of Adoor taluk. The garden land covers an area of 4794 ha and the major crop is rubber. An area of 1399 ha is under forest. The other garden land crops include coconut, tapioca, banana, pepper etc. Of the total area of 408 ha under wetland, 42 ha have already been converted for other purposes and paddy is cultivated in 366 ha only. The soil series identified in the panchayat are Adoor, Peruvellikara, Ezhamkulam, Uthupara, Kodumon, Konni, Peringanad, Sooranad and Airavon. Of these, Sooranad and Airavon are the wetland series. The major area of the garden land is occupied by Uthupara series (1990 ha) followed by Kodumon series (1316 ha). Sooranad series (217 ha) forms the major wetland series.

Four land capability classes such as III, IV, VI and VII and four land irrigability classes viz. 2, 3, 4 and 6 are encountered. IVes is the predominant land capability subclass and 6st, the land irrigability subclass. Other interpretative studies like hydrologic grouping, crop suitability, soil fertility and production potential of the soils are conducted. The main problems encountered in the panchayat are dealt with briefly. Interpretative maps are appended.