ABSTRACT

The Ayroor panchayat spreads over an area of 2576 ha and is located in the Ranni taluk Pathanamthitta district. This 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 garden land covers an area of 2378 ha and the wetland covers an area of 124 ha. The major crop in the garden land is rubber.

The soil series identified in the panchayat are Peruvellikara, Uthupara, Ayroor, Mallasseri and Airavon. Of these, Mallasseri and Airavon are the wetland series. The major area of the garden land is occupied by Uthupara series (1920 ha). Mallasseri series (107 ha) forms the major wetland series.

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