ABSTRACT

Adoor municipality comprise of an area of 2042 ha is located at the south western portion of Pathanamthitta district. The garden land covering an area of 1580 ha. Major portion of the garden land is occupied by rubber and the remaining area is under mixed cropping of coconut, banana, tapioca, pepper and fruit trees. The area under wetland covers an area of 352 ha and is cultivated with paddy. An area of 13 ha of wetland has been converted for the cultivation of coconut, tapioca, banana and vegetables.

Updating of detailed soil survey of Adoor municipality was carried out during January-February 2003. Five soil series have been identified in this municipality. These include Adoor, Peruvellikkara, Edavanassery, Erath and Sooranad series. Adoor series occupies the major portion of the garden land with an area of 1002 ha while Sooranad series with an area of 283 ha dominates the wetland.

Land capability classes noticed in the panchayat are IIIes, IIIe, IIIw, Ives and Vles and the irrigability classes noticed are 2t, 2d, 3d, 3st and 4st. IIIes is the predominant land capability subclass and 3st the land irrigability subclass. Other interpretative studies like hydrologic grouping, crop suitability, soil fertility, soil conservation priority and production potential of the soils were conducted. The main problems encountered in the area and its management are dealt with in brief. Interpretative maps are appended. This report is expected to serve as a reference guide for planning developmental schemes in the agricultural scenario of the panchayat.