ABSTRACT

Detailed Soil Survey of Ezhamkulam panchayat was carried out in 1984. Thems panchayat comprises an area of 3055 ha and is located at the southern portion of Pathanamthitta district. The garden land covering an area of 2567.08 ha. Major portion of dry land is under rubber and the remaining area is under mixed cropping of coconut, banana, tapioca, pepper and fruit trees. The area under wetland cultivated with paddy and vegetables is 487.92 ha. An area of 65.8 ha of wetland has been converted for the cultivation of coconut, tapioca, banana and vegetables. Six soil series have been identified in the panchayat. These includes Adoor, Bharanikkavu, Sooranad, Ezhamkulam, Peruvelikkara and Erath series. Adoor series occupies the major portion of the garden land with an area of 2213.84 ha. Ezhamkulam series covers an area of 129.68 ha. Peruvelikkara series covers an area of 114.28 ha. Baranakkavu series covers an area of 43.48 ha. The two-wetland soils namely Erath and Sooranad series covers an area of 372.56 and 115.36 ha respectively. The soils of Ezhamkulam panchayat are classified into land capability classes such as II, III IV and VI. The land irrigability classes noticed in the panchayat are 2, 3 4 and 6. The predominant land capability and land irrigability subclasses are IVes and 4ts respectively. Hydrologic grouping, fertility status and crop suitability status have also been undertaken.