ABSTRACT

Soil and land resource inventory of Morayoor panchayat was undertaken by the Soil Survey wing of the Department of Agriculture during 2003 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.

Morayoor panchayat is located in Ernad taluk of Malappuram district and extends over 2457.29 ha. The panchayat is part of the midland and midupland tract. The garden land covers an area of 2198.29 ha and is cultivated with coconut, banana, arecanut, vegetables, tapioca, etc. The wetland area is 184.0 ha. Paddy is the main crop cultivated. The soil series identified in the garden land are Arimbra, Mannamkulam, Angadipuram, Pazhamallur, Vattallur, Irimpiliyam, Naduvattom and Ponmundom. The major portion of the garden land is under Naduvattom series (886.50 ha) followed by Mannamkulam series 605.0 ha). Ramapuram 133.0 ha) and Valampur (51.0 ha) are the soils identified in the wetlands.

Based on the characteristics of the soils, land capability subclasses IIw, IIe, Illes, IVe, IVes, Vle, Vles and Villes and land irrigability subclasses 2d, 2t, 2st, 3t, 3st, 4t, 4st, 6t and 6st were recognized in the panchayat. Illes and 4st are the predominant land capability class and land irrigability class respectively. Other interpretative studies like hydrologic grouping, crop suitability, fertility and production potential of the soils are also included in the report. The problems encountered in the panchayat are dealt with briefly. Interpretative maps are appended.