ABSTRACT

The soil and land resources report of Madhur panchayat gives a detailed account of the general characteristics of its area, soils, major problems and management requirements, interpretations and recommendations for various uses.

The panchayat spreads over an area of 2604 ha and is located in the northern part of Kasaragod municipal town. The garden land covers an area of 1762.79 ha and is cultivated with arecanut, coconut, tapioca, banana, vegetables etc. Wetland covers an area of 467.28 ha. 198.98 ha comprises of converted land. The soil series identified in the panchayat are Arathil, Meeyanganum, Edanad, Padi, Vaninagar, Kolathur, Nekraje, Narikot, Payalam, Kudlu, Pudukai, Muttathy and Cheruvathur.

Based on the characteristics of the soils, five land capability classes such as II, III, IV, VI and VII and five land irrigability classes viz. 2, 3, 4, 5 and 6 were recognised. IVe is the predominant land capability subclass and 4t the land irrigability subclass. Other interpretative studies like hydrologic grouping, crop suitability, soil fertility and production potential of the soils were made. The main problems encountered in the panchayat are dealt with briefly. Interpretative maps are appended.