ABSTRACT

This report deals with the soil and land resources of Enmakaje panchayat. The 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.

Enmakaje panchayat with an area of 7823 ha is located in the north eastern region of Kasargod taluk in Kasargod district. The garden land covers about 6069.88ha and 1272.2ha comes under miscellaneous land. The wet land covers an area of 367.72 ha. Major crop cultivated is arecanut. Coconut is well suited on the garden land soils except certain portion of the panchayat when the slopes are a little above 15% and low ground water table. Tapioca and Banana can be given as intercrop in between coconut palms.

During the detailed soil survey 10 soil series are identified in Enmakaje panchayat viz., Arathil, Meenanganam, Kidur, Kolathur, Vaninagar, Padi, Payalam, Nakraje, Thekkila and Edanad series. Five land capability classes and five land irrigability classes have been identified in the panchayat. The predominant capability class is IVe and that of irrigability class is 4t.

Studies reveal that the yields of crops in both wet and garden lands are low due to unscientific crops and soil management practices. There is ample scope to increase the yield economically if the farmers are advised to adopt certain simple management practices like addition of organic matter, providing irrigation, adoption of soil conservation and plant protection measures, liming, correction of nutrient deficiencies etc., to overcome the limitations posed by the soils in the area.