This report deals with the soil and land resources of Ambalapuzha North panchayat of Ambalapuzha taluk of Alappuzha district. 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.

The panchayat spreads over an area of 1226 ha. The Detailed Soil Survey of the panchayat encounters 5 soil series. Of this, 2 series viz., Punnapra and Kavur are gardenland soils whereas Ramankari, Thottapally and Champakulam are wetland soils. Apart from this an area of 63.5 ha of land are reclaimed soils. The major crop cultivated in garden land is coconut. The garden land soils are of sandy nature and have low fertility. Organic manuring and covercropping are practiced to improve the soil moisture content of these soils. Intrusion of salt water and flooding during monsoons are the serious threats to the paddy cultivation in these areas.

The land capability classes encountered are IIw, IIIs, IVes and IVw and the land irrigability classes are 2s and 3. IVw is the predominant land capability subclass and 3t, the land irrigability subclass. Other interpretative studies like hydrologic grouping, Crop suitability, soil fertility and production potential of the soils are conducted. The main problems encountered in the panchayat are dealt with briefly. Interpretative maps are appended. This report is expected to serve as a reference guide for planning developmental schemes in the agricultural sceneries of the panchayat.