ABSTRACT

Soil and land resource inventory of Aryancode panchayat was undertaken by the Soil Survey wing of the Department of Agriculture during June to August 2005 to assess the soil and land resources of the area, to identify the problems and suggest suitable development programmes for sustained and integrated development of the area.

Aryancode panchayat is located in Neyyattinkara taluk of Thiruvananthapuram district and extends over 2178 ha. The panchayat lies in the mid land and mid up land region. The major crops in the panchayat are rubber, coconut, tapioca, banana and vegetables. During the course of soil survey, three soil series were identified viz., Vilappil, Aryancode and Karamana. Aryancode series extends over the major area.

The soils of Aryancode panchayat are classified into five land capability subclasses and five land irrigability subclasses. The predominant land capability subclass is IVes and land irrigability subclass is 5st. Interpretative studies include land capability, land irrigability, crop suitability, production potential and hydrologic grouping. Various interpretative maps viz; soil and land capability and irrigability map, soil conservation priority map, proposed land use map etc. are appended.