ABSTRACT

Detailed Soil Survey of Kadinamkulam panchayat in Thiruvananthapuram taluk of Thiruvananthapuram district was undertaken during the month of August 1998 to collect information regarding the resource base in the panchayat. The panchayat comprises an area of 1927 ha.

Three soil series and one miscellaneous land type were identified in the Panchayat. Poovar series occupy the major area in garden land (939.28 ha) followed by Kazhakuttam series (307.12 ha) and Kadinamkulam series (50 ha). An area of 125 ha is occupied by beach sand. Miscellaneous land type consists of the reclaimed paddy fields and Kayal. It covers an area of 133.66 ha.

Three land capability sub classes and land irrigability sub classes were encountered. The garden land is mainly cultivated to coconut, fruit trees, banana and tapioca. The wetland is cultivated to paddy during the first crop season and pulses and vegetables during the third crop season. The soils of the panchayat are sandy textured with low fertility, low organic matter content and low water holding capacity. By improving the soil condition through addition of organic matter, judicious application of fertilizers, adoption of scientific cultivation practices and planting of pest and disease resistant varieties can improve the crop yield.