Abstract

Attipra panchayat comprising an area of 1600 ha is located in the North-western side of Thiruvananthapuram taluk. The updating of soil of Attipra panchayat was conducted during the month of January 1997. The garden land consists of 1243.58 ha of which 535.04 ha is included under beaches sand. An area of 21.52 ha is occupied by rock out crops. The garden land is cultivated to coconut, rubber, cashew, banana, tapioca, pepper etc. Wetland covers an area of 91.88 ha and is cultivated to paddy during the first and second crop season. Pulses are growing during the third crop season. An area of 47.88 ha paddy land have been converted to garden land.

Six soil series have been identified in the panchayat. They are Kazhakuttam, Pangappara, Trivandrum, Poovar, Kunnathukal and Marukil. Kazhakuttam series with an area of 327.28 ha. (38.58%) occupies the major area under garden land followed by Pangappara series with an area of 267.42 ha. (31.52%). Trivandrum series occupies an area of 107.40 ha (12.66%) and Poovar series extends an area of 6.44 ha. (7.5%). Kunnathukal series from the major wetland series with an area of 50.76 (5.9%) followed by Amaravila with an area of 23 Ha. (4.05%) miscellaneous soils cover an area of 47.88 (5.64%).

The soils of Attipra panchayat are classified into land capability classes such as II, III IV and VI. The land irrigability classes noticed in the panchayat are 2, 3, 4 and 6. The predominant land capability and land irrigability subclasses are IIIe and 3t respectively. Soil conservation priority, Hydrologic grouping, fertility status and crop suitability status have also been undertaken.