ABSTRACT

The relationship between exchangeable potassium and magnesium nutrients in deficient and healthy coconut palms and its effect on coconut palm was studied in 4 locations. There site where selected in Medagama and Yakwila sites have Andigama soil series. Badalgama and Lihiriyagama sites have Boralu soil series. One experiment site have 3 deficient palms and 3 healthy palms. Soil samples were taken from top soil (0-20 cm) and sub soils (20-40 cm) analyzed for exchangeable potassium and magnesium and the 14th leaf was used potassium and magenesium analysing.

This study shown that Mg concentration was very high in potassium deficient palms and K concentration was very high in Mg deficient palms.

The close association of the coconut leaf nutrient contents with soil nutrient status bring about balance of potassium and magnesium nutrition in coconut palms.