

SUMMARY

Capitol clay loam and Perseverance clay are two important soils in the island of Grenada. Both soils were comprehensively studied with respect to nutrients and moisture in pots, nutrient amendments in the field and their physical properties together with soil profiles and land use.

Capitol soil proved to have good physical properties but a low nutrient status especially with respect to phosphate and it is characterised by manganese toxicity which could be offset by liming. Capitol soil in wetter districts is suited to forests in shallow steep areas and to tree crops in moderately sloping areas, while in drier districts, it is best suited for bananas if irrigated.

Perseverance clay is a heavy soil with poor physical properties, high in total exchangeable bases but needs phosphate. It is most suited to food crops with heavy doses of phosphate, to sugar cane and pastures. Yams could be grown well in this soil with phosphate, but without pen manure, which did not prove essential for yam growth.