Moisture Characteristics of Some Hawaiian Soils

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ALTHOUGH much information is now available on the values of the conventional moisture constants for Hawaiian soils, there have been no complete moisture characteristic curves reported for these soils to date. The value of moisture sorption data in planning and interpreting field experiments is well known to soils workers, and there is in Hawaii a great need for such data at the present time. This paper presents characteristic curves and related data for soils from six groups, most of which are being used for pineapple production.

Sugar cane production workers had previously established values which approximate the permanent wilting percentage, but the first actual determinations of moisture constants were made in Hawaii in 1929 by Wadsworth and Das (3).

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2 Soil Physicist. The author acknowledges with appreciation the assistance of Andrew Fo, Scientific Aide.
3 Figures in parentheses refer to "Literature Cited", page 41.