A MANOMETER METHOD FOR THE RAPID DETERMINATION OF LIME IN SOILS

LIME and lime horizons in soil are characteristics which have been used in soil classification system for many years. The forthcoming nationwide system of soil classification requires the identification of "strong lime horizons." These strong lime horizons are defined in precise terms in contrast to the more qualitative terms used in previous systems.

Some soils have strong lime horizons which can be identified by color or by effervescence with acid. Many soils, however, have strong lime horizons which cannot be identified by these methods. In such cases it is imperative that quantitative lime determinations be made, usually within a few days in order that soils can be correctly identified as mapping progresses.

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2 Lime as used herein refers to calcium and magnesium carbonates expressed as calcium carbonate equivalent.