



Acidity and Acidimetry of Soils, Vol. 12 (Classic Reprint)

By Henry Granger Knight

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Acidity and Acidimetry of Soils, Vol. 12 Parker concluded from analysis of extracts prepared by treating soils with potassium chloride and potassium acetate that the base was absorbed to a little greater extent than it was liberated by the soil and that the excess of the anion should be accounted for by the presence of the corresponding acid. Brogue states that it has been repeatedly proven that the base liberated by the soil is usually not merely equivalent to the base absorbed from the solution. Sullivan, Morse and Curry, Abbott, Conn and Smalley, Ruprecht, and others have noted the presence of aluminum and iron in salt extracts from acid soils. Rice concludes from hydrogen-ion concentration studies upon 31 soils using the indicator method of Sorensen that when so-called acid soils are shaken with salt solutions part of the cation of the salt is absorbed and an equivalent quantity of the base from the soil is given up to the solution. It was to test the above points that the following investigations were made. Experimental Harris...

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