

# **Morrisville Buffer Test for Lime Recommendation. (A00-khan170743-Oral)**

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## **Abstract:**

A new buffer test to determine the amount of lime recommendation was developed at State University of New York at Morrisville. This test will replace the currently used Woodruff Buffer test which uses Paranitrophenol, a carcinogen. The new test which is called Morrisville Buffer Test uses one molar Ammonium Acetate buffer solution to determine Neutralizable Acidity of soils. The buffer pH (pH<sub>b</sub>) determined by Morrisville Buffer Test is significantly correlated with salt pH (pH<sub>s</sub>)( $r = 0.96$ ) and Woodruff Buffer pH (pH<sub>b</sub>)( $r = 0.91$ ) at 99 % level of probability. The correlation ( $r = 0.94$ ) between pH<sub>b</sub> determined by Woodruff Buffer Test and pH<sub>s</sub> is also significant.

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