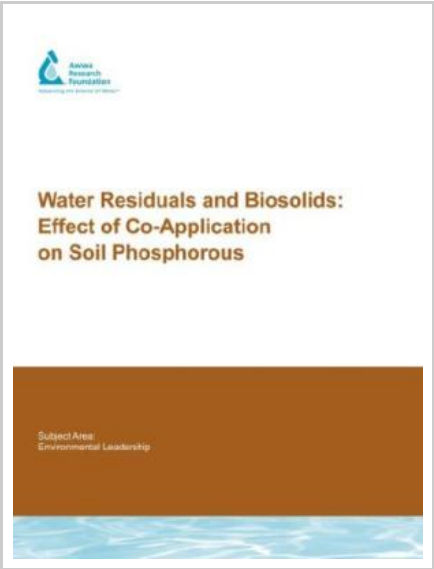

Water Residuals and Biosolids: Effect of Co-Application on Soil Phosphorous

By J Ippolito, M Stromberger, K Barbarick

Iwa Publishing, United Kingdom, 2007. Paperback. Book Condition: New. 234 x 156 mm. Language: English . Brand New Book ***** Print on Demand *****.Water treatment residuals (WTR) and biosolids are by-products from municipal treatment processes. Both products have been studied separately for their benefits on land application as an alternative method of beneficial reuse. WTR land application concern is the amorphous metal oxides adsorbing tremendous P amounts, thus significantly reducing plant-available P via surface adsorption. A supplemental P source, such as biosolids, should negate the adsorptive effects. Co-application effects in terms of P fractionation have not been studied. The objectives of the project were to understand both the long-term effects of a single co-application of biosolids and water treatment residuals (WTR) and the short-term impacts of a repeated co-application on soil inorganic and organic P dynamics. Test plots were 7.5 x 15 m with treatments consisting of three different WTR rates co-applied with a single biosolids rate (0, 10, and 21 Mg WTR ha-1 coapplied with 10 Mg biosolids ha-1) in either 1991 or 2002. Soil samples were collected in 2003 and 2004 from the 0-5-cm depth within each plot. Soils were analyzed for pH, EC, total C and N,...

Reviews

Good eBook and helpful one. It really is writter in straightforward words and phrases and never confusing. I am just effortlessly could possibly get a enjoyment of looking at a published book.

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The book is great and fantastic. it absolutely was writtern very properly and beneficial. It is extremely difficult to leave it before concluding, once you begin to read the book.

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