

The use of soil amendments for remediation, revitalization and reuse



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Reviews

It in a of the best book. Indeed, it really is play, nevertheless an amazing and interesting literature. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Sofia Yundt)

THE USE OF SOIL AMENDMENTS FOR REMEDIATION, REVITALIZATION AND REUSE

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Books LLC, Reference Series. Paperback. Book Condition: New. This item is printed on demand. Paperback. 60 pages. Original publisher: Washington, D. C. : Solid Waste and Emergency Response, 2007. OCLC Number: (OCoLC)186351494 Subject: Soil amendments -- Environmental aspects. Excerpt: . . . 5 The term sorbents, as used here, describes materials that can hold on to or sorb different contaminants. There are a range of these materials, with different materials better suited for absorption of different contaminants. Some examples of sorbents include charcoal for different organic contaminants, water treatment residuals for excess P and some heavy metals, and high surface area iron oxides for heavy metals including Pb and As. (Refs. 6, 13, 14, 58) 6 All severely acidic soil systems are detrimental to plant growth because of Al and Mn toxicity. In cases where metal contaminants are present, acidity will increase metal availability. The toxicity of Al may be corrected by adding residuals high in cations such as Mg, Ca and K, even if these are in a form that does not increase soil pH. It is important in remediating these types of systems to make sure that sufficient Mg is available for plants. In cases where metal contaminants are present, acidity will increase metal availability. 7 A measure of the excess sodium in a soil which imparts a poor physical condition to the soil. (Ref. 31) 8 In cases where metal contaminants are present, insufficient P increases metal availability. Metals that are critical include Pb, Zn, and Cd. Agronomic tests for P availability to crops are useful to determine P status in soil where low P is suspected. 9 High P is a concern in cases of As contamination. Since P and As are chemically related, high P increases As availability. Tests, including water...

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