



The use of soil amendments for remediation, revitalization and reuse

By -

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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...



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