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包膜尿素养分释放特性测定方法的研究

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Study on determination of nutrient release characteristics of coated urea

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摘要 分别以水、砂子、热硼酸溶液为介质, 研究不同浸提方式对缓/控释养分溶出率的影响及两种缓/控释肥料的溶出特征。结果表明, 同一种肥料在不同的介质中溶出率趋势无显著差异, 以热硼酸溶液为介质, 可提高检验速度, 是检验长释期控/缓释肥料产品质量的有效方法。

关键词: 包膜尿素 缓释特性 测定方法 包膜尿素 缓释特性 测定方法

Abstract:

Several medias (water, sand and boric acid) were used to study the nutrient release characteristics of two controlled-release fertilizers. The result showed that, with different medias, there is not significant difference in the release rate of the same fertilizer simples. The method that boric acid be used as leach media, can improve experiment speed, and can be a effective measure in detecting long-term Slow/Controlled-release fertilizers simples.

Keywords:

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