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## 利用麦草造纸碱木素生产螯合锌肥及其对玉米生长的影响

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Using papermaking alkaline lignin to produce zinc lignosulfonate and its effect on corn growth

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**摘要** 利用麦草造纸碱木素(AL)和微量营养元素锌为原料,制成木质素锌肥(Zn-LS),通过盆栽试验验证其肥效。结果表明,在粤北石灰性土壤上,施用Zn-LS处理玉米长势好,生物量比无机锌肥高,而且Zn-LS供锌平稳、缓释、高效。

**关键词:** 碱木素 木质素锌肥 玉米 碱木素 木质素锌肥 玉米

**Abstract:** The experiment used papermaking alkaline lignin(AL) to produce zinc lignosulfonate(Zn-LS) by a given technical process which was combined with Zn. The results of pot experiment indicated that on limy soil in north of Guangdong province the corn fertilized with Zn-LS grew well, and its biomass was higher than that of inorganic Zn, it is a kind of highly effective slow-releasing trace fertilizer.

**Keywords:**

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