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研究报告

# 不同控释肥对芦笋产量、品质及养分含量的影响

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摘要:

通过田间试验研究不同控释肥对芦笋产量、品质及养分含量的影响。结果表明,施用控释肥的整体效果要优于习惯施肥。施用控释肥能够提高芦笋产量、提升芦笋品质、提高芦笋中的养分含量。通过控释肥之间的比较,控释肥Ⅰ在提高产量和维生素C含量方面最为显著,分别比习惯施肥处理增加2.79%和17 65%;控释肥Ⅱ在提高可溶性总糖含量、降低硝酸盐含量方面效果显著,提高、降低的幅度分别达到3 37%、56.87%;控释肥Ⅲ则可使芦笋对养分的吸收利用更加完全。

关键词: 控释肥;芦笋;产量;品质;养分吸收

## Effects of Different Controlled-release Fertilizers on *Asparagus officinalis* L.'s Yield, Quality and Nutrient Contents

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Abstract:

The effects of different controlled-release fertilizers on *Asparagus officinalis* L.'s yield, quality and nutrient contents were studied by field experiment. The results showed that the controlled-released fertilizers were superior to the conventional fertilizer. To a certain extent, the controlled-released fertilizers could increase the yield, quality and nutrient contents of Asparagus officinalis L. The yield and VC content of *Asparagus officinalis* L. treated by controlled-released fertilizer Ⅰ were increased by 2.79% and 17.65%, respectively. The controlled-released fertilizer Ⅱ could increase the total soluble sugar by 3.37% and decrease the nutrient content by 56.87%. The controlled-released fertilizer Ⅲ could make Asparagus officinalis L. to absorb nutrient more completely.

Keywords: controlled-released fertilizer *Asparagus officinalis* L. yield quality nutrient content

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