

园艺—研究报告

根外施肥对兰州百合植株生长和鳞茎产量的影响

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摘要:

在陇中半干旱区山坡地大田栽培条件下, 采用2因素随机区组试验方法, 研究根外施肥对兰州百合植株生长特性及鳞茎产量的影响。结果表明, 叶面喷施磷酸二氢钾可显著增大百合植株的茎秆粗度和鳞茎产量, 喷施尿素对增大叶面积作用显著。磷酸二氢钾与尿素配合喷施可有效改善百合植株的生长性状, 提高百合鳞茎的产量, 其中以磷酸二氢钾和尿素的配合喷施次数均为3次时效果最佳, 百合田间株高、茎秆粗度、叶面积和鳞茎产量均达到最高值, 分别较对照增加16.7%、17.6%、11.6%和12.4%。建议在大田生产中磷酸二氢钾喷施3次, 尿素2~3次即可。

关键词: 鳞茎产量

Effect of Foliar Application of Fertilizer on the Characteristics of Plant Growth and the Yield of Bulb of *Lilium davidii* var. *unicolor*

Abstract:

The impact of foliar application of fertilizer on the characteristics of plant growth and bulb yield of *Lilium davidii* var. *unicolor* have been studied with the random block design of two factors under the field farmland in semi-arid areas of the central part of Gansu province. The results showed that KH_2PO_4 can significantly increase the stem diameter and yield of bulb, and urea can significantly promote the growth of leaves. and plant height, stem diameter, leaf area and bulb yield of lily were increased by 16.7%, 17.6%, 11.6% and 12.4% compared with control and reached the highest value when KH_2PO_4 and urea spraying 3 times, and it is the combined application of two kind of fertilizer. KH_2PO_4 should be sprayed 3 times, and urea should be 2 or 3 times in the production of field land.

Keywords: yield of bulbs

收稿日期 2010-10-25 修回日期 2010-12-13 网络版发布日期 2011-05-06

DOI:

基金项目:

耕作措施对兰州百合产量和品质的影响

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