



种苗质量对怀地黄生长及低聚糖含量的影响

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中文摘要:目的: 研究种苗质量对怀地黄生长发育以及收获期经济产量和质量的影响, 为怀地黄规范化种植提供依据。方法: 通过怀地黄主产区种苗质量调查, 了解当地地黄种苗质量现状, 进行不同等级种苗的田间小区栽培试验, 检测怀地黄栽培不同阶段干物质积累及低聚糖含量, 并统计收获期经济产量。结果: 怀地黄主产区农民选种随意性很强, 对种苗质量关注不够, 优质怀地黄种苗能明显提高田间出苗率, 促进地黄前期快速生长, 最终增加收获期经济产量。在收获期, 85-5品种一级和二级种苗经济产量分别比三级苗高63%、50%, 而北京1号一级和二级种苗经济产量分别比三级苗高50%、47%。结论: 选种时以直径>1.5 cm的一、二级种苗为最佳。

中文关键词: [怀地黄](#) [种苗质量](#) [种苗直径](#) [药材质量](#)

Effects of seedling quality on growth of *Rehmannia glutinosa* and oligosaccharide content

Abstract: Objective: To study the effect of seedling quality on growth, yield and quality of *Rehmannia glutinosa* at harvest and build a basis for its GAP. **Method:** The seedling quality of *R. glutinosa* in main producing regions was surveyed to understand the current status of seedling quality. Field experiments with different varieties and seedling quality were conducted to measure dry matter accumulation with different growth of *R. glutinosa* and oligosaccharide content, and economic yield at harvest. **Result:** The seedling was randomly selected by farmers in *R. glutinosa* producing regions. Seedling quality could significantly improve on seedling emergence rate, and promote seedling growth, especially with early stage *R. glutinosa*, finally increase yield at harvest. At harvest, 63% and 50% of yield with A and B seedling could be improved for variety of 85-5, and 50% and 47% of yield could be increased for variety of Beijing No.1, compared to the C seedling. **Conclusion:** In cultivation, the seedlings with the diameter>1.5 cm should be transplanted firstly.

keywords: [Rehmannia glutinosa](#) [seedling quality](#) [seedling diameter](#) [medicinal materials quality](#)

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